



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

March 3, 2010

Mr. Michael Colomb
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 05000271/2010001)

Dear Mr. Colomb:

On February 9, 2009, the 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, 2009. 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, as well as for the first three quarters of the assessment cycle, 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.

On February 24, 2010, Entergy verbally informed the NRC of actions that Entergy has taken regarding certain employees as a result of its independent internal investigation into the alleged contradictory or misleading information provided to the State of Vermont that was not corrected. While the NRC does not have jurisdiction over the communications between Entergy and the State of Vermont, the NRC is aware that some of these individuals have responsibilities that involve decision-making communications that are material to the NRC and/or involve NRC-regulated activities. In light of this information, the NRC issued a Demand For Information (DFI) on March 1, 2010. The letter transmitting the DFI and the details of the DFI can be found in the NRC's document system (ADAMS) under accession number ML100570237.

As part of our ongoing inspections, the NRC will continue to review Entergy's implementation of the industry voluntary ground water protection initiative using Temporary Instruction (TI) 173 and follow Entergy's activities to address the tritium in the groundwater at the Vermont Yankee Nuclear Power Station. The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2011. 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 me at 610-337-5306 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Donald E. Jackson, Chief
Projects Branch 5
Division of Reactor Projects

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

Enclosure: Vermont Yankee Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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Sincerely,
 /RA/
 Donald E. Jackson, Chief
 Projects Branch 5
 Division of Reactor Projects

Docket Nos. 50-271
 License No. DPR-28
 Enclosure: Vermont Yankee Inspection/Activity Plan

S. Collins, RA (R1ORAMAIL RESOURCE)
 M. Dapas, DRA (R1ORAMAIL RESOURCE)
 D. Lew, DRP (R1DRPMAIL RESOURCE)
 J. Clifford, DRP (R1DRPMAIL RESOURCE)
 D. Roberts, DRS (R1DRSMail Resource)
 P. Wilson, DRS (R1DRSMail Resource)
 L. Trocine, RI OEDO
 D. Jackson, DRP
 T. Setzer, DRP
 J. Heinly, DRP
 B. Sienel, DRP
 D. Spindler, DRP, SRI

H. Jones, DRP, RI
 A. Rancourt, DRP, OA
 RidsNrrPMVermontYankee Resource
 RidsNrrDorLI1-1 Resource
ROPreportsResource@nrc.gov
 DRS Branch Chiefs (6)
 L. Scholl
 D. Silk, DRS
 J. Trapp, DRS
 D. Screnci, PAO
 N. Sheenan, PAO
 R. Barkley, ORA

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OFFICE	RI/DRP	RI/DRP	RI/DRP	
NAME	TSetzer/TCS	DJackson/ALB for	DLew/DCL	
DATE	3/2/10	3/2/10	3/3/10	

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Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	01/01/2010	12/31/2010	IP 60855 - ANNUAL SAMPLE - ISFSI INSPECTION	Operation Of An ISFSI	1
1	01/25/2010	03/12/2010	TI-173 IP 2515/173 - IMPLEMENTATION OF INDUSTRY GROUND WATER	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	1
1	05/03/2010	05/07/2010	7111108G IP 7111108G - INSERVICE INSPECTION	Inservice Inspection Activities - BWR	1
1	05/03/2010	05/07/2010	71124 IP 71124.01 - HP OUTAGE INSPECTION ACCESS/AIR/ALARA	Radiological Hazard Assessment and Exposure Controls	1
1	05/03/2010	05/07/2010	IP 71124.02 Occupational ALARA Planning and Controls		
1	05/03/2010	05/07/2010	IP 71124.03 In-Plant Airborne Radioactivity Control and Mitigation		
1	05/24/2010	05/28/2010	71124 IP 71124.05 - HP INSTRUMENTS	Radiation Monitoring Instrumentation	1
1	08/16/2010	08/20/2010	7111111B IP 7111111B - REQUAL INSP WITH P/F RESULTS	Licensed Operator Requalification Program	3
1	07/12/2010	07/16/2010	71124 IP 71124.06 - EFFLUENTS INSPECTION	Radioactive Gaseous and Liquid Effluent Treatment	1
1	07/12/2010	07/16/2010	TI-177 IP 2515/177 - MANAGING GAS ACCUMULATION IN ECCS	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	2
1	11/01/2010	11/05/2010	11/29EXM U01791 - INITIAL OPERATOR LICENSING EXAM	FY11- VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	5
1	11/29/2010	12/10/2010	U01791 FY11- VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM		
1	08/15/2010	08/20/2010	EP PROGR IP 7111402 - EP PROGRAM INSPECTION	Radiological Environmental Monitoring Program	1
1	08/15/2010	08/20/2010	IP 7111403 Emergency Response Organization Augmentation Testing		
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		
1	09/13/2010	09/17/2010	TRI FIRE IP 7111105T - TRIENNIAL FIRE PROTECTION INSPECTION	Fire Protection [Triennial]	3
1	09/27/2010	10/01/2010	IP 7111105T Fire Protection [Triennial]		
1	09/13/2010	09/17/2010	71124 IP 71124.01 - HP INSPECTION - ACCESS & ALARA	Radiological Hazard Assessment and Exposure Controls	1
1	09/13/2010	09/17/2010	IP 71124.02 Occupational ALARA Planning and Controls		

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

Vermont Yankee
 Inspection / Activity Plan
 01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	10/18/2010 10/22/2010	71124 - RW TRANSPORTATION / ISFSI & PI	Operation Of An ISFSI	1
1	10/18/2010 10/22/2010	IP 60855	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	10/18/2010 10/22/2010	IP 71124.08	Occupational Exposure Control Effectiveness	
1	10/18/2010 10/22/2010	IP 71151-OR01	RETS/ODCM Radiological Effluent	
1	10/18/2010 10/22/2010	IP 71151-PR01		
		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	Public Radiation Safety	
		711121 - CDBI		6
1	06/06/2011 06/10/2011	IP 711121	Component Design Bases Inspection	
1	06/20/2011 06/24/2011	IP 711121	Component Design Bases Inspection	
1	06/27/2011 07/01/2011	IP 711121	Component Design Bases Inspection	

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