



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I**  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

September 4, 2012

Mr. Chris Wamser  
Site Vice President  
Entergy Nuclear Operations, Inc.  
Vermont Yankee Nuclear Power Station  
320 Governor Hunt Road  
Vernon, VT 05354

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
VERMONT YANKEE NUCLEAR POWER STATION  
(REPORT 05000271/2012006)**

Dear Mr. Wamser:

On August 14, 2012, the U. S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Vermont Yankee Nuclear Power Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2011, through June 30, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This assessment reflects the integration of the Security Cornerstone into the Reactor Oversight Process (ROP) performance assessment program governed by Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program."

The NRC determined the performance at Vermont Yankee Nuclear Power Station during the most recent quarter was within the Licensee Response Column of the NRC's ROP Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI-188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." Furthermore, the NRC will perform inspection procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," in April 2013. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (610) 337-5200 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Dr. Ronald R. Bellamy, Chief  
Projects Branch 5  
Division of Reactor Projects

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

Enclosure: Vermont Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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## Vermont Yankee

## Inspection / Activity Plan

07/01/2012 - 12/31/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	07/30/2012	08/03/2012	<b>9/24EXM</b>	<b>- INITIAL OPERATOR LICENSING EXAM</b>	5
			U01851	FY12-VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	
1	08/27/2012	08/31/2012	U01851	FY12-VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	
1	09/24/2012	10/05/2012	U01851	FY12-VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	
1	07/23/2012	07/27/2012	<b>711111B</b>	<b>- VY ON-SITE REQUAL INSP W/ P/F RESULTS</b>	2
			IP 711111B	Licensed Operator Requalification Program	
1	07/09/2012	07/13/2012	<b>71124</b>	<b>- RAD AIRBORNE &amp; DOSE ASSESSMENT &amp; ISFSI</b>	1
			IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	07/09/2012	07/13/2012	IP 71124.04	Occupational Dose Assessment	
1	07/16/2012	07/20/2012	<b>TI 182</b>	<b>- DEGRADATION OF UNDERGROUND PIPING</b>	1
			IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
1	09/10/2012	09/21/2012	<b>EP PROGR</b>	<b>- EP PROGRAM INSPECTION</b>	1
			IP 7111402	Alert and Notification System Testing	
1	09/10/2012	09/21/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	09/10/2012	09/21/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	10/01/2012	12/31/2012	<b>92702</b>	<b>- FOLLOWUP TO CONFIRMATORY ORDER (QA/QC)</b>	1
			IP 92702	Followup On Corrective Actions For Violations And Deviations	
1	10/01/2012	12/31/2012	<b>92702</b>	<b>- CONF. ORDER FOLLOWUP RIVERBEND ADR QA/QC</b>	1
			IP 92702	Followup On Corrective Actions For Violations And Deviations	
1	10/01/2012	12/31/2012	<b>TI-187</b>	<b>- FLOODING WALKDOWNS</b>	1
			IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
1	10/15/2012	10/16/2012	<b>IP71152</b>	<b>- PIR SAMPLE - TAGOUT EVENTS</b>	1
			IP 71152-Reviews	In-depth Reviews	
1	11/13/2012	11/16/2012	<b>71124</b>	<b>- HP &amp; PI VERIFICATION</b>	1
			IP 71124.02	Occupational ALARA Planning and Controls	
1	11/13/2012	11/16/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1	11/13/2012	11/16/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	11/13/2012	11/16/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1	01/01/2013	04/02/2013	<b>TI-187</b>	<b>- FLOODING WALKDOWNS</b>	1
			IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
1	03/11/2013	03/15/2013	<b>71124</b>	<b>- HP</b>	1
			IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/11/2013	03/15/2013	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

07/01/2012 - 12/31/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	03/25/2013	03/29/2013	<b>7111108G</b> - INSERVICE INSPECTION IP 7111108G	Inservice Inspection Activities - BWR	1
1	04/16/2013	04/16/2013	<b>60855</b> - ISFSI OPERATIONAL INSPECTION IP 60855	Operation Of An ISFSI	1
1	04/16/2013	04/16/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	1
1	04/22/2013	04/26/2013	<b>71124.07</b> - REMP IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1	04/22/2013	04/26/2013	IP 71124.07	Radiological Environmental Monitoring Program	1
1	05/13/2013	05/17/2013	<b>71124.08</b> - RADWASTE IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
1	06/03/2013	06/07/2013	<b>EP EX</b> - EP EXERCISE EVALUATION IP 7111401	Exercise Evaluation	5
1	06/03/2013	06/07/2013	IP 7111404	Emergency Action Level and Emergency Plan Changes	4
1	06/03/2013	06/07/2013	<b>PI&amp;R</b> - PI&R IP 71152B	Problem Identification and Resolution	1
1	06/17/2013	06/21/2013	IP 71152B	Problem Identification and Resolution	1
1	08/12/2013	08/16/2013	<b>71124</b> - HP IP 71124.02	Occupational ALARA Planning and Controls	4
1	08/12/2013	08/16/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	4
1	08/12/2013	08/16/2013	IP 71124.04	Occupational Dose Assessment	4
1	12/02/2013	12/06/2013	<b>1/6 EXM</b> - VERMONT YANKEE INITIAL EXAM U01877	FY14-VY INITIAL OPERATOR LICENSING EXAM	4
1	09/09/2013	09/13/2013	<b>TRI FI</b> - TRIENNIAL FIRE PROTECTION INSPECTION IP 7111105T	Fire Protection [Triennial]	4
1	09/23/2013	09/27/2013	IP 7111105T	Fire Protection [Triennial]	4
1	11/18/2013	11/22/2013	<b>71124.06</b> - RETS & RAD SAFETY PI VERIFICATION IP 71124.05	Radiation Monitoring Instrumentation	1
1	11/18/2013	11/22/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	1
1	11/18/2013	11/22/2013	IP 71151	Performance Indicator Verification	1

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