



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

March 4, 2013

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR VERMONT YANKEE NUCLEAR  
POWER STATION (REPORT 05000271/2012001)**

Dear Mr. Wamser:

On February 14, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Vermont Yankee Nuclear Power Station (Vermont Yankee). The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from January 1, 2012 through December 31, 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.

The NRC determined that overall, Vermont Yankee operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Vermont Yankee during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all performance indicators demonstrated that your performance was within the nominal, expected range (i.e, green). Therefore, the NRC plans to conduct Reactor Oversight Process baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. In addition to baseline inspections, the NRC will perform Inspection Procedure (IP) 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," IP 92702, "Follow-up on Corrective Actions for Violations and Deviations," IP 92709, "Licensee Strike Contingency Plans," and Temporary Instruction (TI) 182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks." 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 *Title 10 of the Code of Federal Regulations* (10 CFR) Part 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 feel free to contact me at (610)337-5200 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Ronald R. Bellamy, Branch Chief  
Division of Reactor Projects

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

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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DOCUMENT NAME: S:\ROP-13 EOC Review\Branch 5\Vermont Yankee\VY 2012 AAL Licensee Response Column.docx

ADAMS ACCESSION NUMBER: ML13059A285

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DATE	02/26/13	03/04/13			

OFFICIAL RECORD COPY

## Vermont Yankee

## Inspection / Activity Plan

01/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>TI-187 - FLOODING WALKDOWNS</b>		
1	01/01/2013 04/02/2013	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	1
		<b>71124 - HP</b>		
1	03/11/2013 03/15/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1	03/11/2013 03/15/2013	IP 71124.02	Occupational ALARA Planning and Controls	
		<b>7111108G - INSERVICE INSPECTION</b>		
1	03/25/2013 03/29/2013	IP 7111108G	Inservice Inspection Activities - BWR	1
		<b>71124.07 - REMP</b>		
1	04/22/2013 04/26/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1	04/22/2013 04/26/2013	IP 71124.07	Radiological Environmental Monitoring Program	
		<b>60855 - ISFSI OPERATIONAL INSPECTION</b>		
1	04/25/2013 04/26/2013	IP 60855	Operation Of An ISFSI	1
1	04/25/2013 04/26/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		<b>92702 - QA/QC CONFIRMATORY ORDER</b>		
1	05/01/2013 06/30/2013	IP 92702	Followup On Corrective Actions For Violations And Deviations	2
		<b>PI&amp;R - PI&amp;R TEAM INSPECTION</b>		
1	06/10/2013 06/14/2013	IP 71152B	Problem Identification and Resolution	7
1	06/24/2013 06/28/2013	IP 71152B	Problem Identification and Resolution	
		<b>71124.08 - RADWASTE</b>		
1	05/13/2013 05/17/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
		<b>EP EX - EP EXERCISE EVALUATION</b>		
1	06/03/2013 06/07/2013	IP 7111401	Exercise Evaluation	6
		<b>71124 - HP</b>		
1	07/08/2013 07/12/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1	07/08/2013 07/12/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	07/08/2013 07/12/2013	IP 71124.04	Occupational Dose Assessment	
		<b>TI 182 - DEGRAD UNDERGROUND PIPING - PHASE 2</b>		
1	07/15/2013 07/19/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
		<b>71124 - HP</b>		
1	08/12/2013 08/16/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1	08/12/2013 08/16/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	08/12/2013 08/16/2013	IP 71124.04	Occupational Dose Assessment	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

## Vermont Yankee

## Inspection / Activity Plan

01/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
1	09/09/2013 09/13/2013	IP 7111105T	Fire Protection [Triennial]	
1	09/23/2013 09/27/2013	IP 7111105T	Fire Protection [Triennial]	
		<b>2/10EXAM - VY INITIAL EXAM</b>		<b>3</b>
1	01/13/2014 01/17/2014	U01897	FY14-VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	
1	02/10/2014 02/14/2014	U01897	FY14-VERMONT YANKEE INITIAL OPERATOR LICENSING EXAM	
		<b>71124.06 - RETS &amp; RAD SAFETY PI VERIFICATION</b>		<b>1</b>
1	11/18/2013 11/22/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1	11/18/2013 11/22/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	11/18/2013 11/22/2013	IP 71151	Performance Indicator Verification	
		<b>71124 - HP</b>		<b>1</b>
1	02/24/2014 02/28/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	02/24/2014 02/28/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1	02/24/2014 02/28/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	02/24/2014 02/28/2014	IP 71124.04	Occupational Dose Assessment	
		<b>EP PROG - EP PROGRAM INSPECTION</b>		<b>1</b>
1	02/24/2014 02/28/2014	IP 7111402	Alert and Notification System Testing	
1	02/24/2014 02/28/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	02/24/2014 02/28/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
		<b>71124 - HP</b>		<b>1</b>
1	04/21/2014 04/25/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/21/2014 04/25/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/21/2014 04/25/2014	IP 71124.05	Radiation Monitoring Instrumentation	
		<b>CDBI - CDBI</b>		<b>7</b>
1	05/05/2014 05/09/2014	IP 7111121	Component Design Bases Inspection	
1	05/19/2014 05/23/2014	IP 7111121	Component Design Bases Inspection	
1	06/02/2014 06/06/2014	IP 7111121	Component Design Bases Inspection	