



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

March 4, 2013

Mr. David Heacock  
Sr. Vice President and Chief Nuclear Officer  
Dominion Resources  
500 Dominion Boulevard  
Glen Allen, VA 23060-6711

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR MILLSTONE POWER STATION UNIT 2  
AND UNIT 3 (REPORT 05000336/2012001 AND 05000423/2012001)**

Dear Mr. Heacock:

On February 14, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Millstone Power Station Unit 2 and Unit 3. 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, Millstone Power Station Unit 2 and Unit 3 operated in a manner that preserved public health and safety and met all cornerstone objectives. Millstone Unit 2 was in the Regulatory Response Column of the NRC's Reactor Oversight Process Action Matrix until the most recent quarter, due to a white finding in the Initiating Events Cornerstone, related to control room crew performance during a plant transient. This finding was closed in the fourth quarter 2012. The NRC determined the performance at Millstone Unit 2 and Unit 3 during the most recent quarter was within the Licensee Response Column because all inspection findings had very low (i.e., green) safety significance, all performance indicators demonstrated that your performance was within the nominal, expected range (i.e., green), and a supplemental inspection was successfully completed at Millstone Unit 2 for the white finding on November 2, 2012. 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) 71003, "Post-Approval Site Inspection for License Renewal," IP 92709, "Licensee Strike Contingency Plans," IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," 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 contact Ronald R. Bellamy at (610)337-5200 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Darrell J. Roberts, Director  
Division of Reactor Projects

Docket Nos.: 50-336; 50-423  
License Nos.: DPR-65; NPF-49

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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Distribution w/encl: See Attached

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## Millstone

## Inspection / Activity Plan

01/01/2013 - 06/30/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>MODS</b>	<b>- PERMANENT PLANT MODIFICATIONS</b>	<b>5</b>
2,3	01/28/2013	02/01/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
2,3	02/11/2013	02/15/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
3	04/22/2013	05/03/2013	<b>7111108P</b>	<b>- U3 INSERVICE INSPECTION</b>	<b>1</b>
			IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124</b>	<b>- OCC RADIATION SAFETY</b>	<b>1</b>
2,3	04/29/2013	05/03/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2,3	04/29/2013	05/03/2013	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>71124</b>	<b>- REMP</b>	<b>1</b>
2,3	05/20/2013	05/24/2013	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>60853</b>	<b>- ISFSI PAD EXPANSION</b>	<b>2</b>
2,3	06/01/2013	12/31/2013	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
2,3	06/01/2013	12/31/2013	IP 60855	Operation Of An ISFSI	
2,3	06/01/2013	12/31/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>7111107T</b>	<b>- TRIENNIAL HEAT SINK</b>	<b>1</b>
2,3	07/15/2013	07/26/2013	IP 7111107T	Heat Sink Performance	
			<b>TRI FI</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	<b>8</b>
2,3	07/22/2013	07/26/2013	IP 7111105T	Fire Protection [Triennial]	
2,3	08/05/2013	08/09/2013	IP 7111105T	Fire Protection [Triennial]	
			<b>10/21EXM</b>	<b>- MILLSTONE 3 INITIAL EXAM</b>	<b>4</b>
3	11/04/2013	11/08/2013	U01874	FY14-MILLSTONE 3 INITIAL OPERATOR LICENSING EXAM	
3	12/02/2013	12/11/2013	U01874	FY14-MILLSTONE 3 INITIAL OPERATOR LICENSING EXAM	
			<b>71124</b>	<b>- RADIATION SAFETY INSPECTION</b>	<b>1</b>
2,3	07/29/2013	08/02/2013	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>7111111B</b>	<b>- MILLSTONE 3 REQUAL INSP WITH P/F RESULTS</b>	<b>2</b>
3	10/21/2013	10/25/2013	IP 7111111B	Licensed Operator Requalification Program	
			<b>71124</b>	<b>- RADIO EFFLUENTS</b>	<b>1</b>
2,3	08/26/2013	08/30/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
2,3	08/26/2013	08/30/2013	IP 71151	Performance Indicator Verification	
			<b>EP PROGR</b>	<b>- EP PROGRAM INSPECTION</b>	<b>2</b>
2,3	09/03/2013	09/06/2013	IP 7111402	Alert and Notification System Testing	
2,3	09/03/2013	09/06/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
2	09/03/2013	09/06/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	

This report does not include INPO and OUTAGE activities.

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

## Millstone

## Inspection / Activity Plan

01/01/2013 - 06/30/2014

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			<b>71124</b>	<b>- ALARA, IN-PLANT AIRBORNE AND DOSE ASSESS</b>	1
2, 3	09/23/2013	09/27/2013	IP 71124.02	Occupational ALARA Planning and Controls	
2, 3	09/23/2013	09/27/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	09/23/2013	09/27/2013	IP 71124.04	Occupational Dose Assessment	
			<b>71124</b>	<b>- RAD HAZARD, IN-PLANT AIRBORNE, DOSE ASSE</b>	1
2, 3	12/16/2013	12/20/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2, 3	12/16/2013	12/20/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	12/16/2013	12/20/2013	IP 71124.04	Occupational Dose Assessment	
2, 3	12/16/2013	12/20/2013	IP 71151	Performance Indicator Verification	
			<b>TI-182</b>	<b>- DEGRAD UNDERGROUND PIPING - PHASE 2</b>	1
2, 3	01/13/2014	01/17/2014	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			<b>711108P</b>	<b>- U2 INSERVICE INSPECTION</b>	1
2	04/07/2014	04/18/2014	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71003</b>	<b>- U2 LR COMMITMENTS PHASE 1 INSP</b>	2
2	04/07/2014	04/12/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
			<b>71124</b>	<b>- RADIATION SAFETY</b>	1
2, 3	04/21/2014	04/25/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2, 3	04/21/2014	04/25/2014	IP 71124.02	Occupational ALARA Planning and Controls	
2, 3	04/21/2014	04/25/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	04/21/2014	04/25/2014	IP 71124.04	Occupational Dose Assessment	
2, 3	04/21/2014	04/25/2014	IP 71151	Performance Indicator Verification	