



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION I  
2100 RENAISSANCE BLVD., SUITE 100  
KING OF PRUSSIA, PA 19406-2713

March 4, 2015

Mr. David Heacock  
President and Chief Nuclear Officer  
Dominion Resources  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MILLSTONE POWER STATION,  
UNITS 2 AND 3 (REPORT 05000336/2014001 AND 05000423/2014001)

Dear Mr. Heacock:

On February 10, 2015, the U. S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review for Millstone Power Station (Millstone), Units 2 and 3. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014 through December 31, 2014. 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 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Millstone Unit 2 during the most recent assessment period was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs demonstrated that your performance was within the nominal, expected range (i.e, Green).

The NRC determined the performance at Millstone Unit 3 was within the Regulatory Response Column of the ROP Action Matrix as communicated to you in a letter dated October 20, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14294A220). This letter detailed the final significance determination of a White finding related to the identification and correction of conditions adverse to quality for the turbine-driven auxiliary feedwater pump.

Therefore, in addition to ROP baseline inspections at Millstone Unit 3, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure (IP) 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," after notification of your readiness for this inspection. This IP is conducted to provide assurance that the root causes and contributing causes of risk significant performance issues are understood, the extent of condition and cause were identified, and the corrective actions are sufficient to prevent recurrence. The NRC will also perform IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation (ISFSI) at Operating Plants," IP 60855, "Operation of an ISFSI," IP 71003, "License Renewal Inspection (Phase 2)," for Millstone Unit 2, and IP 92702, "Follow-up on Corrective Actions for Violations and Deviations," for a Notice of Violation regarding feedwater isolation valve issues at Millstone Unit 3.

Additionally, the NRC has not yet finalized the significance of an apparent violation identified during security inspection 2014201. This issue was the subject of a regulatory conference on February 17, 2015, and the final safety significance determination may affect the NRC's assessment of plant performance and the enclosed inspection plan.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. 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. 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*, 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 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).

Please contact Mr. Raymond McKinley at 610-337-5150 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Ho K. Nieh  
Director  
Division of Reactor Projects

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

Enclosure: Millstone Inspection/Activity Plan

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DOCUMENT NAME: \\S:\ROP Assessment Meetings\ROP-15 EOC Review\Branch 5\Millstone\ROP-15 EOC Letter Millstone.docx  
ADAMS ACCESSION NUMBER: **ML15057A399**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP	RI/DRP		
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DATE	02/24/15	02/24/15	02/25/15		

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**Millstone**  
**Inspection / Activity Plan**  
**01/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>71124.08 - RADWASTE</b>		<b>1</b>
2,3	01/12/2015	01/16/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>CDBI - COMPONENT DESIGN BASIS INSPECTION</b>		<b>8</b>
2,3	03/30/2015	04/03/2015	IP 7111121	Component Design Bases Inspection	
2,3	04/13/2015	04/17/2015	IP 7111121	Component Design Bases Inspection	
2,3	04/27/2015	05/01/2015	IP 7111121	Component Design Bases Inspection	
			<b>71003 - U2 LR COMMITMENTS PHASE 2 INSP</b>		<b>4</b>
2	05/04/2015	05/08/2015	IP 71003	Post-Approval Site Inspection for License Renewal	
2	05/18/2015	05/22/2015	IP 71003	Post-Approval Site Inspection for License Renewal	
			<b>9/7EXAM - U3 INITIAL OL EXAM</b>		<b>4</b>
3	08/10/2015	08/14/2015	U01903	FY15-MS3 INITIAL OPERATOR LICENSING EXAM	
3	09/07/2015	09/11/2015	U01903	FY15-MS3 INITIAL OPERATOR LICENSING EXAM	
			<b>71124 - RADIATION SAFETY INSPECTION - REMP</b>		<b>1</b>
2,3	05/18/2015	05/22/2015	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>ISFSI - ISFSI LOADING INSPECTION</b>		<b>2</b>
2	05/18/2015	05/22/2015	IP 60855	Operation Of An ISFSI	
2	05/18/2015	05/22/2015	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>7111111B - U3 REQUAL INSP W/ P/F RESULTS</b>		<b>2</b>
3	08/24/2015	08/28/2015	IP 7111111B	Licensed Operator Requalification Program	
			<b>71124 - RADIATION SAFETY INSPECTION - ALARA</b>		<b>1</b>
2	07/27/2015	07/31/2015	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>EP - EP PROGRAM INSPECTION</b>		<b>1</b>
2,3	08/10/2015	08/14/2015	IP 7111402	Alert and Notification System Testing	
2,3	08/10/2015	08/14/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
2,3	08/10/2015	08/14/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>92702 - 92702 FOR FEEDWATER ISOLATION VALVES NOV</b>		<b>1</b>
3	08/10/2015	08/14/2015	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			<b>71124 - RADIATION SAFETY INSPECTION</b>		<b>1</b>
2	10/05/2015	10/09/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			<b>7111108P - U2 INSERVICE INSPECTION</b>		<b>1</b>
2	10/12/2015	10/23/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - RADIATION SAFETY INSPECTION - DOSE</b>		<b>1</b>
2,3	11/16/2015	11/20/2015	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.

Enclosure

**Millstone**  
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			<b>71124 - RADIATION SAFETY INSPECTION - DOSE</b>		<b>1</b>
2, 3	11/16/2015	11/20/2015	IP 71151	Performance Indicator Verification	
			<b>ISI - U3 INSERVICE INSPECTION</b>		<b>1</b>
3	04/18/2016	04/29/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>BI - RADIOLOGICAL SAFETY - RAD HAZARDS O</b>		<b>1</b>
2, 3	04/25/2016	04/29/2016	IP 7111101-Imminent	Adverse Weather (Site/Imminent)	
2, 3	04/25/2016	04/29/2016	IP 71124.02	Occupational ALARA Planning and Controls	
2, 3	04/25/2016	04/29/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			<b>BI - RADIOLOGICAL SAFETY - AIRBORNE</b>		<b>1</b>
2, 3	05/23/2016	05/27/2016	IP 71124.02	Occupational ALARA Planning and Controls	
2, 3	05/23/2016	05/27/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	

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