



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 4, 2014

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR MILLSTONE POWER STATION
UNITS 2 AND 3 (REPORT 05000336/2013001 AND 05000423/2013001)**

Dear Mr. Heacock:

On February 13, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Millstone Power Station Units 2 and 3. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from January 1, 2013, through December 31, 2013. 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 Units 2 and 3 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Millstone Power Station Units 2 and 3 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.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year (CY) 2014 will reflect this revision to Inspection Manual Chapter (IMC) 0310. The CY 2013 end-of-cycle assessments were conducted using the IMC 0310 guidance in effect in CY 2013 (dated October 28, 2011). Cross-cutting aspects identified in 2013 using the 2013 terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through June 30, 2015. 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 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," and Temporary Instruction 2515/182, "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.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The onsite component has been scheduled for the week of June 23, 2014. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding," 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 the NRC's Agencywide Documents 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)337-5150 with any questions you have regarding this letter.

Sincerely,

/RA/

Raymond R. McKinley, Chief
Reactor Projects Branch 5
Division Reactor Projects

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

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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<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			
NAME	EKeighley/EMK	RMcKinley/RRM			
DATE	2/28/14	3/4/14			

Millstone
Inspection / Activity Plan
01/01/2014 - 06/30/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			EP - EP ANNUAL REPORT		5
2, 3	07/01/2014	12/31/2014	IP 7111406	Drill Evaluation	
			TI-182 - DEGRAD UNDERGROUND PIPING - PHASE 2		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	
			71124 - RADIATION SAFETY		1
2	03/10/2014	03/14/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	03/10/2014	03/14/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			71003 - U2 LR COMMITMENTS PHASE 1 INSP		2
2	04/07/2014	04/11/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
			7111108P - U2 INSERVICE INSPECTION		1
2	04/07/2014	04/18/2014	IP 7111108P	Inservice Inspection Activities - PWR	
			71124 - RADIATION SAFETY		1
2	04/21/2014	04/25/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	04/21/2014	04/25/2014	IP 71124.02	Occupational ALARA Planning and Controls	
2	04/21/2014	04/25/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			9/29EXAM - MILLSTONE 2 INITIAL EXAM		4
2	09/01/2014	09/05/2014	U01891	FY14-MILLSTONE 2 INITIAL OPERATOR LICENSING EXAM	
2	09/29/2014	10/03/2014	U01891	FY14-MILLSTONE 2 INITIAL OPERATOR LICENSING EXAM	
			ISFSI - ISFSI OPERATION INSPECTION		1
2, 3	06/02/2014	06/04/2014	IP 60855	Operation Of An ISFSI	
2, 3	06/02/2014	06/04/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			7111111B - U2 REQUAL INSPECTION WITH P/F RESULTS		2
2	09/15/2014	09/19/2014	IP 7111111B	Licensed Operator Requalification Program	
			71152B - PI&R BIENNIAL		4
2, 3	07/14/2014	07/19/2014	IP 71152B	Problem Identification and Resolution	
2, 3	07/28/2014	08/02/2014	IP 71152B	Problem Identification and Resolution	
			71124 - RADIATION SAFETY		1
2	08/25/2014	08/29/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2	08/25/2014	08/29/2014	IP 71124.04	Occupational Dose Assessment	
			EP EXER - EP EXERCISE INSPECTION		1
2, 3	09/08/2014	09/12/2014	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
			71124 - RADIATION SAFETY		1
3	09/15/2014	09/19/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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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Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124 - RADIATION SAFETY		1
3	09/15/2014	09/19/2014	IP 71124.02	Occupational ALARA Planning and Controls	
3	09/15/2014	09/19/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3	09/15/2014	09/19/2014	IP 71124.04	Occupational Dose Assessment	
			71124 - RADIATION SAFETY		1
2	10/20/2014	10/24/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	10/20/2014	10/24/2014	IP 71124.02	Occupational ALARA Planning and Controls	
2	10/20/2014	10/24/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2	10/20/2014	10/24/2014	IP 71124.04	Occupational Dose Assessment	
			7111108P - U3 INSERVICE INSPECTION		1
3	10/20/2014	10/31/2014	IP 7111108P	Inservice Inspection Activities - PWR	
			71124.08 - RADWASTE		1
2, 3	12/01/2014	12/05/2014	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124 - RADIATION SAFETY		1
2	12/15/2014	12/19/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	12/15/2014	12/19/2014	IP 71124.02	Occupational ALARA Planning and Controls	
2	12/15/2014	12/19/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2	12/15/2014	12/19/2014	IP 71124.04	Occupational Dose Assessment	
2, 3	12/15/2014	12/19/2014	IP 71151	Performance Indicator Verification	
			71124 - RADIATION SAFETY INSPECTION		1
2, 3	04/06/2015	04/10/2015	IP 71124.05	Radiation Monitoring Instrumentation	
			7111121 - CDBI		7
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	
			71003 - U2 LR COMMITMENTS PHASE 2 INSP		4
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	
			71124 - RADIATION SAFETY INSPECTION		1
2, 3	06/01/2015	06/05/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	

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Enclosure