



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 2, 2016

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 05000336/2015006 AND 05000423/2015006)

Dear Mr. Heacock:

On February 10, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of 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, 2015, through December 31, 2015. 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 the performance at Millstone Unit 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix in Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program," 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). The NRC determined the performance at Millstone Unit 3 during the most recent quarter was within the Regulatory Response Column of the NRC's ROP Action Matrix, because of one Greater-than-Green Security cornerstone finding as described in NRC Inspection Report 05000423/2015405, dated April 2, 2015 (ML15092A408¹).

In accordance with Inspection Procedure 95001, "Supplemental Inspection for One of Two White Inputs in a Strategic Performance Area," the NRC completed a supplemental inspection and issued Inspection Report 05000423/2015407 by letter dated January 19, 2016 (ML16020A091). The NRC concluded that overall, the supplemental objectives were met and no significant weaknesses were identified. The letter also stated that based on guidance in IMC 0305 and the results of the inspection, the Greater-than-Green finding was closed and Millstone Unit 3 transitioned to the Licensee Response Column effective the first quarter of 2016. Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

During the 2015 assessment period, the NRC issued traditional enforcement actions to Millstone, including EA-14-126, a Severity Level III Notice of Violation for impeding the

¹ Designation in parentheses refers to an Agencywide Documents Access and Management System (ADAMS) Accession Number. Documents referenced in this letter are publicly available using the Accession Number in ADAMS.

regulatory process issued February 10, 2015; EA-13-188, an Alternative Dispute Resolution Confirmatory Order issued August 26, 2015; and a Severity Level IV violation for impeding the regulatory process issued on June 12, 2015. In accordance with IMC 0305, Sections 13.02.a and 13.02.b, the NRC will follow up on these violations through Inspection Procedure 92702, "Followup on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders."

The enclosed inspection plan lists the inspections scheduled through December 31, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to baseline inspections, the NRC will conduct Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants." 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 response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events." This Order requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." This Order requires licensees to have a reliable means of remotely monitoring wide-range spent fuel pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. The audit was completed for Millstone during the week of July 21, 2014, and the information gathered will aid staff in development of the Final Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 2515-191, "Inspection of the Implementation of Mitigating Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communications/Staffing/Multi-Unit Dose Assessment Plans." The schedule for this inspection at Millstone is shown in the Enclosure.

D. Heacock

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In accordance with Title 10 of the *Code of Federal Regulations* (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 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. Glenn Dentel at 610-337-5233 with any questions you have regarding this letter.

Sincerely,

/RA/

Michael L. Scott, Director
Division of Reactor Projects

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

Enclosure:
Millstone Inspection/Activity Plan

cc w/encl: Distribution via ListServ

D. Heacock

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Enclosure:
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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-16 EOC Review\Branch 2\Millstone\ML ROP 16 EOC Items\Millstone End-of-Cycle Letter.docx

ADAMS Accession No. **ML16060A055**

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DATE	2/23/16	2/23/16	2/29/16		

OFFICIAL RECORD COPY

Millstone
Inspection / Activity Plan
01/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			BI - RADIOLOGICAL SAFETY - RAD HAZARDS		1
2, 3	04/18/2016	04/22/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2, 3	04/18/2016	04/22/2016	IP 71124.02	Occupational ALARA Planning and Controls	
2, 3	04/18/2016	04/22/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			ISI - U3 INSERVICE INSPECTION		1
3	04/18/2016	04/29/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			EXM8/8 - MILLSTONE 2 INITIAL EXAMINATION		4
2	08/08/2016	08/12/2016	U01927	FY16-MS2 INITIAL OPERATOR LICENSING EXAM	
2	09/05/2016	09/09/2016	U01927	FY16-MS2 INITIAL OPERATOR LICENSING EXAM	
			71152BI - PI&R BIENNIAL		4
2, 3	06/13/2016	06/17/2016	IP 71152B	Problem Identification and Resolution	
2, 3	06/27/2016	07/01/2016	IP 71152B	Problem Identification and Resolution	
			BI - RADIOLOGICAL SAFETY - AIRBORNE		1
2, 3	05/23/2016	05/27/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			7111107T - TRIENNIAL HEAT SINK		1
2, 3	06/13/2016	06/17/2016	IP 7111107T	Heat Sink Performance	
			EP - EP EXERCISE EVALUATION		4
2, 3	08/15/2016	08/19/2016	IP 7111401	Exercise Evaluation	
			TRI FI - TRIENNIAL FIRE PROTECTION		7
2, 3	07/25/2016	07/29/2016	IP 7111105T	Fire Protection [Triennial]	
2, 3	08/08/2016	08/12/2016	IP 7111105T	Fire Protection [Triennial]	
			BI - RADIOLOGICAL SAFETY - EXT EXPOSURE		1
2, 3	08/01/2016	08/05/2016	IP 71124.04	Occupational Dose Assessment	
			TI-191 - FUKUSHIMA LESSONS-LEARNED		1
2, 3	08/22/2016	08/26/2016	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			7111111B - MS2 REQUAL INSP WITH P/F RESULTS		2
2	10/31/2016	11/04/2016	IP 7111111B	Licensed Operator Requalification Program	
			7111117T - PERMANENT PLANT MODIFICATIONS		4
2, 3	10/31/2016	11/04/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
2, 3	11/14/2016	11/18/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			92702 - CONFIRMATORY ORDER INSPECTION (U2 50.59)		1
2	10/31/2016	11/18/2016	IP 92702	Followup On Corrective Actions For Violations And Deviations	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Enclosure

Millstone
Inspection / Activity Plan
01/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			92702	- SL III FOLLOWUP INSPECTION (SLOD)	1
2,3	10/31/2016	11/18/2016	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			BI	- RADIOLOGICAL SAFETY - RAD HAZ & PIV	1
2,3	11/14/2016	11/18/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2,3	11/14/2016	11/18/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
2,3	11/14/2016	11/18/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			71124	- RADIOLOGICAL SAFETY - ALARA	1
2,3	01/23/2017	01/27/2017	IP 71124.02	Occupational ALARA Planning and Controls	
			71124.08	- RADWASTE	1
2,3	02/06/2017	02/10/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124	- RADIATION SAFETY - RAD HAZ PIV	1
2,3	04/10/2017	04/14/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2,3	04/10/2017	04/14/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
2,3	04/10/2017	04/14/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			7111108P	- U2 INSERVICE INSPECTION	1
2	04/17/2017	04/28/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			ISFSI	- ISFSI OPERATIONS INSPECTION	1
2,3	04/24/2017	04/28/2017	IP 60855	Operation Of An ISFSI	
2,3	04/24/2017	04/28/2017	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			7111111B	- MS3 REQUAL INSP WITH P/F RESULTS	2
3	08/14/2017	08/18/2017	IP 7111111B	Licensed Operator Requalification Program	
			12/3EXM	- MILLSTONE 3 INITIAL EXAM	4
3	11/06/2017	11/10/2017	U01946	FY18-MS3 INITIAL OPERATOR LICENSING EXAM	
3	12/04/2017	12/08/2017	U01946	FY18-MS3 INITIAL OPERATOR LICENSING EXAM	
			71124	- RADIATION SAFETY - TEAM INST RETS REMP	3
2,3	07/10/2017	07/14/2017	IP 71124.05	Radiation Monitoring Instrumentation	
2,3	07/10/2017	07/14/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
2,3	07/10/2017	07/14/2017	IP 71124.07	Radiological Environmental Monitoring Program	
			EP	- EP PROGRAM INSPECTION	1
2,3	08/07/2017	08/11/2017	IP 7111402	Alert and Notification System Testing	
2,3	08/07/2017	08/11/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
2,3	08/07/2017	08/11/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2,3	08/07/2017	08/11/2017	IP 71151	Performance Indicator Verification	

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Millstone
Inspection / Activity Plan
01/01/2016 - 12/31/2017

Unit Number	Planned Dates Start End		Inspection Activity	Title	No. of Staff on Site
7111108P - U3 INSERVICE INSPECTION					
3	10/16/2017	10/27/2017	IP 7111108P	Inservice Inspection Activities - PWR	1

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