



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

March 1, 2017

Mr. Daniel G. Stoddard
Senior Vice President and Chief Nuclear Officer
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MILLSTONE POWER STATION,
UNITS 2 AND 3 (REPORT 05000336/2016006 AND 05000423/2016006)

Dear Mr. Stoddard:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Millstone Power Station (Millstone), Units 2 and 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2016, through December 31, 2016. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Millstone Units 2 and 3 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2018. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. 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 the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

In addition to the baseline inspections, the NRC will conduct Inspection Procedure 60855.1, "Operation of an ISFSI Independent Spent Fuel Storage Installation at Operating Plants." Additionally, the NRC will conduct Temporary Instruction 2515-192, "Inspection of the Licensee's Interim Compensatory Measures Associated with the Open Phase Condition (OPC) Design Vulnerabilities in Electric Power Systems."

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 (PARS) 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 me at 610-337-5165 with any questions you have regarding this letter.

Sincerely,

/RA/

Thomas C. Setzer, Acting Chief
Reactor Projects Branch 2
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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR MILLSTONE POWER STATION,
UNITS 2 AND 3 (REPORT 05000336/2016006 AND 05000423/2016006)
DATED MARCH 1, 2017

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OFFICIAL RECORD COPY

Millstone
Inspection / Activity Plan
01/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			2/27EXAM - MILLSTONE 2 RETAKE EXAM		1
2	02/27/2017	03/03/2017	U01968	FY1-MILLSTONE 2 RETAKE OPERATOR LICENSING EXAM	
			HP - RADIATION SAFETY - ALARA		1
2, 3	01/30/2017	02/03/2017	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	
			HP - RADIATION SAFETY - RAD HAZ		1
2, 3	04/10/2017	04/14/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			7111108P - U2 INSERVICE INSPECTION		1
2	04/03/2017	04/07/2017	IP 7111108P	Inservice Inspection Activities - PWR	
2	04/17/2017	04/21/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			7111111B - MS3 REQUAL INSP WITH P/F RESULTS		2
3	08/14/2017	08/18/2017	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
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	
			HP - RADIATION SAFETY - TEAM INST RETS REMF		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	
			7111121N - EQ PROGRAMS		3
2, 3	07/31/2017	08/04/2017	IP 7111121N	Component Design Bases Inspection (Programs)	
2, 3	08/14/2017	08/18/2017	IP 7111121N	Component Design Bases Inspection (Programs)	
			HP - RADIATION SAFETY - RAD HAZ AND PIV		1
2, 3	10/16/2017	10/20/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2, 3	10/16/2017	10/20/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
2, 3	10/16/2017	10/20/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	

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

Enclosure

Millstone
Inspection / Activity Plan
01/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			7111108P - U3 INSERVICE INSPECTION		1
3	10/16/2017	10/27/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			HP - RADIATION SAFETY - ALARA		1
2, 3	01/22/2018	01/26/2018	IP 71124.02	Occupational ALARA Planning and Controls	
			9/10EXAM - MILLSTONE 2 INITIAL EXAM		4
2	08/13/2018	08/17/2018	U01963	FY18- MILLSTONE 2 INITIAL OPERATOR LICENSING EXAM	
2	09/10/2018	09/20/2018	U01963	FY18- MILLSTONE 2 INITIAL OPERATOR LICENSING EXAM	
			EP - EXERCISE INSPECTION		4
2, 3	03/19/2018	03/23/2018	IP 7111401	Exercise Evaluation	
			7111121M - DESIGN BASES ASSURANCE INSPECTION (TEAM)		7
2, 3	04/16/2018	04/20/2018	IP 7111121M	Component Design Bases Inspection (Teams)	
2, 3	04/30/2018	05/04/2018	IP 7111121M	Component Design Bases Inspection (Teams)	
			ISFSI - ISFSI LOADING CAMPAIGN INSPECTION		3
2, 3	05/28/2018	06/01/2018	IP 60855	Operation Of An ISFSI	
2, 3	05/28/2018	06/01/2018	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			HP - RADIATION SAFETY - AIRBORNE		1
2, 3	06/04/2018	06/08/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			REQUAL - MS2 REQUAL INSP WITH P/F RESULTS		2
2	10/29/2018	11/02/2018	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
2	10/29/2018	11/02/2018	IP 7111111B	Licensed Operator Requalification Program	
			71152B - PI&R BIENNIAL		1
2, 3	09/10/2018	09/14/2018	IP 71152B	Problem Identification and Resolution	
2, 3	09/24/2018	09/28/2018	IP 71152B	Problem Identification and Resolution	
			HP - RADIATION SAFETY - DOSIMETRY		1
2, 3	09/10/2018	09/14/2018	IP 71124.04	Occupational Dose Assessment	
			HP - RADIATION SAFETY - RAD HAZ & PIV		1
2, 3	10/01/2018	10/05/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2, 3	10/01/2018	10/05/2018	IP 71124.02	Occupational ALARA Planning and Controls	
2, 3	10/01/2018	10/05/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	10/01/2018	10/05/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
2, 3	10/01/2018	10/05/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			U2 ISI - UNIT 2 INSERVICE INSPECTION		2
2	10/08/2018	10/19/2018	IP 7111108P	Inservice Inspection Activities - PWR	

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