



**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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| <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 | |
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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 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 | |
| | | | 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.