



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

September 1, 2010

Mr. David A. Heacock  
Sr. Vice President and Chief Nuclear Officer  
Dominion Resources  
500 Dominion Boulevard  
Glenn Allen, VA 23060-6711

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
MILLSTONE POWER STATION

Dear Mr. Heacock:

On August 12, 2010, the Nuclear Regulatory Commission (NRC) staff completed its performance review of the Millstone Power Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2009, through June 30, 2010. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security Related Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Millstone Units 2 and 3 was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. In addition to baseline inspections, we plan to conduct a follow-up inspection for three severity level IV non-cited violations issued within the same traditional enforcement area during the assessment period. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

D. Heacock

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If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5306 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Donald E. Jackson, Chief  
Projects Branch 5  
Division of Reactor Projects

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

Enclosure: Millstone Inspection/ Activity Plan

cc w/encl: Distribution via ListServ

D. Heacock

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Sincerely,

/RA/  
Donald E. Jackson, Chief  
Projects Branch 5  
Division of Reactor Projects

Docket Nos. 50-336, 50-423  
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ML102440580

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NAME	T Setzer/ TCS	D Jackson/ DEJ	
DATE	08/25 /10	08/31 /10	

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**Millstone**  
**Inspection / Activity Plan**  
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		6
2,3	07/19/2010	07/23/2010	IP 7111105T	Fire Protection [Triennial]	
2,3	08/02/2010	08/06/2010	IP 7111105T	Fire Protection [Triennial]	
			<b>TI-181 - FIRE PROTECTION CIRCUIT ANALYSIS &amp; OMA</b>		2
2	07/19/2010	07/23/2010	IP 2515/181	Validate the Effectiveness of the Regulatory Infrastructure Related to Fire-Induced Circuit Failures	
			<b>92723 - MILLSTONE TRAD ENF NCVS - FOLLOW UP INSP</b>		2
2,3	10/04/2010	10/08/2010	IP 92723	Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the S	
			<b>71124 - PUB RAD SAFETY - RADWASTE</b>		1
2,3	08/30/2010	09/03/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>7111111B - REQUAL INSP (MS2) WITH P/F RESULTS</b>		3
2,3	11/01/2010	11/05/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP EX - EP EXERCISE EVALUATION</b>		4
2,3	10/18/2010	10/22/2010	IP 7111401	Exercise Evaluation	
2,3	10/18/2010	10/22/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
2,3	10/18/2010	10/22/2010	IP 71151-EP01	Drill/Exercise Performance	
2,3	10/18/2010	10/22/2010	IP 71151-EP02	ERO Drill Participation	
2,3	10/18/2010	10/22/2010	IP 71151-EP03	Alert & Notification System	
			<b>ISFSI - ANNUAL SAMPLE - ISFSI INSPECTION</b>		1
2	10/01/2010	12/31/2010	IP 60855	Operation Of An ISFSI	
			<b>3/14EXM - OPERATOR LICENSING INITIAL EXAMS</b>		5
2	02/14/2011	02/18/2011	U01834	FY11- MILLSTONE 2, INITIAL OL EXAM	
2	03/14/2011	03/25/2011	U01834	FY11- MILLSTONE 2, INITIAL OL EXAM	
			<b>MODS - PERMANENT PLANT MODIFICATIONS</b>		3
2,3	11/01/2010	11/05/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
2,3	11/15/2010	11/19/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>71124 - OCC RAD SAFETY - INSTRUMENTS &amp; ISFSI</b>		1
2,3	11/15/2010	11/19/2010	IP 60855	Operation Of An ISFSI	
2,3	11/15/2010	11/19/2010	IP 71124.05	Radiation Monitoring Instrumentation	
2,3	11/15/2010	11/19/2010	IP 71151	Performance Indicator Verification	
			<b>07/11EXM - OPERATOR LICENSING INITIAL EXAMS</b>		5
3	06/13/2011	06/17/2011	U01832	FY11- MILLSTONE 3, INITIAL OL EXAM	
3	07/11/2011	07/20/2011	U01832	FY11- MILLSTONE 3, INITIAL OL EXAM	
			<b>71124 - OCC RAD SAFETY</b>		1
2,3	02/28/2011	03/04/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2,3	02/28/2011	03/04/2011	IP 71124.02	Occupational ALARA Planning and Controls	

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

**Millstone**  
**Inspection / Activity Plan**  
**07/01/2010 - 12/31/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>TI-177 - MANAGING GAS ACCUMULATION IN ECCS</b>		<b>3</b>
2,3	03/07/2011	03/11/2011	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			<b>7111108P - U2 INSERVICE INSPECTION</b>		<b>1</b>
2	04/11/2011	04/22/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
2,3	04/18/2011	04/22/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2,3	04/18/2011	04/22/2011	IP 71124.02	Occupational ALARA Planning and Controls	
2,3	04/18/2011	04/22/2011	IP 71124.04	Occupational Dose Assessment	
			<b>71124 - EFFLUENTS</b>		<b>1</b>
2,3	05/23/2011	05/27/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			<b>711111B - MS3 REQUAL INSP W/ P/F RESULTS</b>		<b>3</b>
2,3	08/29/2011	09/02/2011	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>1</b>
2,3	08/01/2011	08/05/2011	IP 7111402	Alert and Notification System Testing	
2,3	08/01/2011	08/05/2011	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
2,3	08/01/2011	08/05/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
2,3	08/01/2011	08/05/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2,3	08/01/2011	08/05/2011	IP 71151-EP02	ERO Drill Participation	
2,3	08/01/2011	08/05/2011	IP 71151-EP03	Alert & Notification System	
2,3	08/01/2011	08/07/2011	IP 71151-EP01	Drill/Exercise Performance	
			<b>71124 - PUB RAD SAFETY - REMP</b>		<b>1</b>
2,3	08/22/2011	08/26/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
2,3	10/17/2011	10/21/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2,3	10/17/2011	10/21/2011	IP 71124.02	Occupational ALARA Planning and Controls	
2,3	10/17/2011	10/21/2011	IP 71124.04	Occupational Dose Assessment	
			<b>7111108P - U3 INSERVICE INSPECTION</b>		<b>1</b>
3	10/17/2011	10/28/2011	IP 7111108P	Inservice Inspection Activities - PWR	

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