



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

September 2, 2008

Mr. David Christian  
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. Christian:

On August 7, 2008, the NRC staff completed its performance review of the Millstone Power Station for the first half of the calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 physical protection information. A separate letter designated and marked as "Official Use Only – Security Related Information" will include the physical protection cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Millstone 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. In addition to baseline inspections, we plan to conduct an independent spent fuel storage installation inspection and a power uprate inspection.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2009. 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.

In accordance with 10CFR2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

D. Christian

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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,

***/RA Original Signed By:/***

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

ccw/encl.

S. Jordan, Site Vice President, Millstone Station  
C. L. Funderburk, Director, Nuclear Licensing and Operations Support  
W. Bartron, Supervisor, Station Licensing  
J. Spence, Manager Nuclear Training  
L. M. Cuoco, Senior Counsel  
C. Brinkman, Manager, Washington Nuclear Operations  
J. Roy, Director of Operations, Massachusetts Municipal Wholesale Electric Company  
First Selectmen, Town of Waterford  
B. Sheehan, Co-Chair, NEAC  
E. Woollacott, Co-Chair, NEAC  
E. Wilds, Jr., Ph.D, Director, State of Connecticut SLO Designee  
J. Buckingham, Department of Public Utility Control  
C. Meek-Gallagher, Commissioner, Suffolk County, Department of Environment and Energy  
V. Minei, P.E., Director, Suffolk County Health Department, Division of Environmental Quality  
R. Shadis, New England Coalition Staff  
S. Comley, We The People  
D. Katz, Citizens Awareness Network (CAN)  
R. Bassilakis, CAN  
P. Eddy, Electric Division, Department of Public Service, State of New York  
P. Tonko, President and CEO, New York State Energy Research and Development Authority  
J. Spath, SLO Designee, New York State Energy Research and Development Authority  
N. Burton, Esq.

**Millstone**  
**Inspection / Activity Plan**  
 08/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>7111111B - L.O. REQUAL.PROG.(FOCUS U2)+P/F RVW</b>		<b>3</b>			
2,3	IP 7111111B	Licensed Operator Requalification Program		09/08/2008	09/12/2008	Baseline Inspections
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>			
2,3	IP 7112202	Radioactive Material Processing and Transportation		08/11/2008	08/15/2008	Baseline Inspections
	<b>TI-172 - U3 TI-172 RCS DISSIMILAR METAL WELDS</b>		<b>1</b>			
3	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		08/11/2008	08/15/2008	Generic Safety Inspectio
	<b>TI 171 - TI 171</b>		<b>4</b>			
2,3	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		08/25/2008	08/29/2008	Generic Safety Inspectio
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>			
2,3	IP 7112102	ALARA Planning and Controls		09/08/2008	09/12/2008	Baseline Inspections
	<b>1/19EXAM - U2 INITIAL OPERATOR LICENSING EXAMS</b>		<b>4</b>			
2	U01634	FY-09 - U2 MILLSTONE INITIAL OL EXAM		12/15/2008	12/19/2008	Not Applicable
2	U01634	FY-09 - U2 MILLSTONE INITIAL OL EXAM		01/19/2009	01/30/2009	Not Applicable
	<b>TI 176 - TI 176</b>		<b>2</b>			
2,3	IP 2515/176	Emergency Diesel Generator Tech Spec Surveillance Requirements Re: Endurance & Margin		09/08/2008	09/12/2008	Generic Safety Inspectio
	<b>71004 - POWER UPRATE</b>		<b>2</b>			
3	IP 71004	Power Uprate		09/08/2008	12/31/2008	Other Routine
	<b>7111108P - U3 INSERVICE INSPECTION</b>		<b>1</b>			
3	IP 7111108P	Inservice Inspection Activities - PWR		10/13/2008	10/17/2008	Baseline Inspections
3	IP 7111108P	Inservice Inspection Activities - PWR		10/20/2008	10/24/2008	Baseline Inspections
	<b>71121.02 - OCC RAD SAFETY</b>		<b>1</b>			
2	IP 7112102	ALARA Planning and Controls		10/20/2008	10/24/2008	Baseline Inspections
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>			
2	IP 7111105T	Fire Protection [Triennial]		11/17/2008	11/21/2008	Baseline Inspections
2	IP 7111105T	Fire Protection [Triennial]		12/01/2008	12/05/2008	Baseline Inspections
	<b>7112103 - OCC RAD SAFETY - INSTRUMENTS</b>		<b>1</b>			
2,3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/01/2008	12/05/2008	Baseline Inspections
	<b>7111121 - CDBI</b>		<b>7</b>			
2,3	IP 7111121	Component Design Bases Inspection		01/12/2009	01/16/2009	Baseline Inspections
2,3	IP 7111121	Component Design Bases Inspection		01/26/2009	01/30/2009	Baseline Inspections
2,3	IP 7111121	Component Design Bases Inspection		02/02/2009	02/06/2009	Baseline Inspections
	<b>71004 - POWER UPRATE</b>		<b>2</b>			
3	IP 71004	Power Uprate		01/01/2009	12/31/2009	Other Routine
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
2,3	IP 7112101	Access Control to Radiologically Significant Areas		02/23/2009	02/27/2009	Baseline Inspections

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

**Millstone**  
**Inspection / Activity Plan**  
**08/01/2008 - 12/31/2009**

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	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
2,3	IP 7112102	ALARA Planning and Controls		02/23/2009	02/27/2009	Baseline Inspections
	<b>9/14EXAM - U3 INITIAL OPERATOR LICENSING EXAMS</b>		<b>4</b>			
3	U01758	FY-09 MILLSTONE UNIT 3 INITIAL OPERTOR LICENSING EXAM		08/10/2009	08/14/2009	Not Applicable
3	U01758	FY-09 MILLSTONE UNIT 3 INITIAL OPERTOR LICENSING EXAM		09/14/2009	09/25/2009	Not Applicable
	<b>71122.01 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
2,3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/08/2009	06/12/2009	Baseline Inspections
	<b>7111111B - BIENNIAL REQUAL INSP (U3) W/ P/F RESULTS</b>		<b>3</b>			
2,3	IP 7111111B	Licensed Operator Requalification Program		08/31/2009	09/04/2009	Baseline Inspections
	<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>2</b>			
2,3	IP 7111402	Alert and Notification System Testing		08/23/2009	08/29/2009	EP Baseline Inspection
2,3	IP 7111403	Emergency Response Organization Augmentation Testing		08/23/2009	08/29/2009	EP Baseline Inspection
2,3	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/23/2009	08/29/2009	EP Baseline Inspection
2,3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/23/2009	08/29/2009	EP Baseline Inspection
2,3	IP 71151-EP01	Drill/Exercise Performance		08/23/2009	08/29/2009	Baseline Inspections
2,3	IP 71151-EP02	ERO Drill Participation		08/23/2009	08/29/2009	Baseline Inspections
2,3	IP 71151-EP03	Alert & Notification System		08/23/2009	08/29/2009	Baseline Inspections
	<b>71122.03 - PUB RAD SAFETY - REMP</b>		<b>1</b>			
2,3	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		08/31/2009	09/04/2009	Baseline Inspections
	<b>ISFSI - ISFSI INSPECTION - ANNUAL SAMPLE</b>		<b>1</b>			
2	IP 60855	Operation Of An ISFSI		10/01/2009	12/31/2009	Other Routine
	<b>7111108P - U2 INSERVICE INSPECTION</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/13/2009	10/16/2009	Baseline Inspections
2	IP 7111108P	Inservice Inspection Activities - PWR		10/19/2009	10/23/2009	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
2	IP 7112102	ALARA Planning and Controls		11/02/2009	11/06/2009	Baseline Inspections

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