



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

August 31, 2006

Mr. David A. Christian  
Sr. Vice President and Chief Nuclear Officer  
Dominion Resources  
5000 Dominion Boulevard  
Glenn Allen, VA 23060-6711

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -  
MILLSTONE STATION UNITS 2 AND 3

Dear Mr. Christian:

On August 8, 2006, the NRC staff completed its performance review of Millstone Station Units 2 and 3 for the first half of the calendar year 2006 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 "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter at Millstone Unit 2 was within the Regulatory Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and a White PI for Scrams with a Loss of Normal Heat Removal (LONHR). On May 15, 2006, we were notified by your staff of your readiness for the NRC to conduct a supplemental inspection to review the actions taken to address the LONHR Scram PI. Therefore, we plan to conduct supplemental inspection 95001 beginning on September 11, 2006.

Plant performance for the most recent quarter at Millstone Unit 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 Unit 3.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. In addition to baseline inspections, we plan on conducting two other inspections for activities related to the Unit 2 pressurizer installation and independent spent fuel storage facility operations. 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 10 CFR 2.390 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Paul Krohn at 610-337-5120 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Brian E. Holian, Director  
Division of Reactor Projects

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

Enclosure: Millstone Units 2 and 3 Inspection/Activity Plan

cc w/encl:

J. A. Price, Site Vice President, Millstone Station  
C. L. Funderburk, Director, Nuclear Licensing and Operations Support  
D. W. Dodson, Supervisor, Station Licensing  
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, Director, State of Connecticut SLO Designee  
J. Buckingham, Department of Public Utility Control  
G. Proios, Suffolk County Planning Dept.  
R. Shadis, New England Coalition Staff  
G. Winslow, Citizens Regulatory Commission (CRC)  
S. Comley, We The People  
D. Katz, Citizens Awareness Network (CAN)  
R. Bassilakis, CAN  
J. M. Block, Attorney, CAN  
P. Eddy, Electric Division, Department of Public Service, State of New York  
P. Smith, President, New York State Energy Research and Development Authority  
J. Spath, SLO Designee, New York State Energy Research and Development Authority  
Institute of Nuclear Power Operations

D. A. Christian

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Distribution w/encl: **VIA E-MAIL:**

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E. Bartels, Resident OA  
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S. Barber, DRP  
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V. Nerses, NRR  
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D. Jackson, DRS  
J. White, DRS  
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**SUNSI Review Complete: PGK (Reviewer's Initials)**

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OFFICE	RI/DRP		RI/DRP		RI/DRP		RI/DRP	
NAME	SBarber/GSB		Mschneider/PGK for		PKrohn/PGK		BHolian/BEH	
DATE	08/11/2006		08/30/06		08/30/06		08/31/06	

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**Millstone**  
**Inspection / Activity Plan**  
**07/01/2006 - 03/31/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
	<b>60855.1 - OPERATION OF AN ISFSI</b>		<b>3</b>		
2, 3	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		05/01/2006 09/15/2006	Other Routine
	<b>7111111B - L.O. REQUAL.PROG.(FOCUS U2)+P/F RVW</b>		<b>2</b>		
2, 3	IP 7111111B	Licensed Operator Requalification Program		09/04/2006 09/08/2006	Baseline Inspections
	<b>50003 - PRESSURIZER REPLACEMENT</b>		<b>1</b>		
2	IP 50003	Pressurizer Replacement Inspection		08/01/2006 08/04/2006	Safety Issues
2	IP 50003	Pressurizer Replacement Inspection		08/20/2006 08/24/2006	Safety Issues
2	IP 50003	Pressurizer Replacement Inspection		10/01/2006 10/04/2006	Safety Issues
2	IP 50003	Pressurizer Replacement Inspection		11/06/2006 11/10/2006	Safety Issues
2	IP 50003	Pressurizer Replacement Inspection		11/20/2006 11/22/2006	Safety Issues
	<b>ISFSI - ISFSI</b>		<b>2</b>		
2, 3	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		07/01/2006 08/31/2006	Other Routine
	<b>7111107B - U2: HEAT SINK</b>		<b>1</b>		
2	IP 7111107B	Heat Sink Performance		07/10/2006 07/14/2006	Baseline Inspections
	<b>TI-169 - MSPI VERIFICATION</b>		<b>1</b>		
2, 3	IP 2515/169	Mitigating Systems Performance Index Verification		08/04/2006 09/01/2006	Safety Issues
	<b>95001 - SCRAMS WITH LOSS OF NORMAL HEAT REMOVAL</b>		<b>2</b>		
2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		09/11/2006 09/15/2006	Supplemental Program
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>		
2, 3	IP 7112202	Radioactive Material Processing and Transportation		09/18/2006 09/22/2006	Baseline Inspections
	<b>7111108P - INSERVICE INSPECTION - UNIT 2</b>		<b>1</b>		
2	IP 7111108P	Inservice Inspection Activities - PWR		10/10/2006 10/13/2006	Baseline Inspections
2	IP 7111108P	Inservice Inspection Activities - PWR		10/23/2006 10/27/2006	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>		
2, 3	IP 7112102	ALARA Planning and Controls		11/13/2006 11/17/2006	Baseline Inspections
	<b>TI-166 - UNIT 2 CONTAINMENT SUMP MODS INSPECTION</b>		<b>1</b>		
2	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		11/13/2006 11/17/2006	Safety Issues
	<b>7111112B - MAINTENANCE RULE</b>		<b>1</b>		
2, 3	IP 7111112B	Maintenance Effectiveness		11/27/2006 12/01/2006	Baseline Inspections
	<b>7111107 - U3 BIENNIAL HEAT SINK INSP</b>		<b>2</b>		
2, 3	IP 7111107B	Heat Sink Performance		01/08/2007 01/12/2007	Baseline Inspections
	<b>3/12 EXM - U3 OPERATOR LICENSING INITIAL EXAMS</b>		<b>3</b>		
3	U01638	MILLSTONE 3 INITIAL EXAM (FY07)		02/12/2007 02/16/2007	Not Applicable
3	U01638	MILLSTONE 3 INITIAL EXAM (FY07)		03/12/2007 03/23/2007	Not Applicable

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

**Millstone**  
**Inspection / Activity Plan**  
**07/01/2006 - 03/31/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
	<b>7112101 - OCC RAD SAFETY</b>		<b>1</b>		
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		02/12/2007 02/16/2007	Baseline Inspections
	<b>7111108P - IN-SERVICE INSPECTION - UNIT 3</b>		<b>1</b>		
3	IP 7111108P	Inservice Inspection Activities - PWR		04/09/2007 04/20/2007	Baseline Inspections
	<b>7112102 - OCC RAD SAFETY - ALARA</b>		<b>1</b>		
2, 3	IP 7112102	ALARA Planning and Controls		04/23/2007 04/27/2007	Baseline Inspections
	<b>TI-166 - CONTAINMENT SUMP MODIFICATIONS - UNIT 3</b>		<b>1</b>		
3	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		04/23/2007 04/29/2007	Safety Issues
	<b>7112201 - PUB RAD SAFETY - RETS</b>		<b>1</b>		
2, 3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/04/2007 06/08/2007	Baseline Inspections
	<b>7111111B - L.O. REQUAL.PROG.(FOCUS U3)+P/F RVW</b>		<b>3</b>		
2, 3	IP 7111111B	Licensed Operator Requalification Program		09/10/2007 09/14/2007	Baseline Inspections
	<b>71114 - EP PRGM INSP</b>		<b>1</b>		
2, 3	IP 7111402	Alert and Notification System Testing		09/10/2007 09/14/2007	Baseline Inspections
2, 3	IP 7111403	Emergency Response Organization Augmentation Testing		09/10/2007 09/14/2007	Baseline Inspections
2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		09/10/2007 09/14/2007	Baseline Inspections
2, 3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		09/10/2007 09/14/2007	Baseline Inspections
2, 3	IP 71151-EP01	Drill/Exercise Performance		09/10/2007 09/14/2007	Baseline Inspections
2, 3	IP 71151-EP02	ERO Drill Participation		09/10/2007 09/14/2007	Baseline Inspections
2, 3	IP 71151-EP03	Alert & Notification System		09/10/2007 09/14/2007	Baseline Inspections
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>		
3	IP 7111105T	Fire Protection [Triennial]		09/17/2007 09/21/2007	Baseline Inspections
3	IP 7111105T	Fire Protection [Triennial]		10/01/2007 10/05/2007	Baseline Inspections
	<b>7112103 - OCC RAD SAFETY - INSTRUMENTS</b>		<b>1</b>		
2, 3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/24/2007 09/28/2007	Baseline Inspections
	<b>7112203 - PUB RAD SAFETY - REMP</b>		<b>1</b>		
2, 3	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		10/15/2007 10/19/2007	Baseline Inspections
	<b>7111117B - MODS AND 50.59</b>		<b>4</b>		
2, 3	IP 7111102	Evaluation of Changes, Tests, or Experiments		11/05/2007 11/09/2007	Baseline Inspections
2, 3	IP 7111117B	Permanent Plant Modifications		11/05/2007 11/09/2007	Baseline Inspections
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>		
2	IP 7111105T	Fire Protection [Triennial]		01/14/2008 01/18/2008	Baseline Inspections
2	IP 7111105T	Fire Protection [Triennial]		01/28/2008 02/01/2008	Baseline Inspections
	<b>7112101 - OCC RAD SAFETY - ACCESS</b>		<b>1</b>		
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		02/11/2008 02/15/2008	Baseline Inspections

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**Inspection / Activity Plan**  
**07/01/2006 - 03/31/2008**

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	<b>71152B - PI&amp;R</b>		<b>4</b>			
2, 3	IP 71152B	Identification and Resolution of Problems		02/11/2008	02/15/2008	Baseline Inspections
2, 3	IP 71152B	Identification and Resolution of Problems		02/25/2008	02/29/2008	Baseline Inspections
	<b>2/11EXAM - U2 OPERATOR LICENSING INITIAL EXAMS</b>		<b>3</b>			
2	U01634	MILLSTONE 2 INITIAL EXAM (FY08)		03/11/2008	03/14/2008	Not Applicable