



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

March 3, 2010

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

SUBJECT: ANNUAL ASSESSMENT LETTER – MILLSTONE POWER STATION
(REPORTS 05000336/2010001 and 05000423/2010001)

Dear Mr. Heacock:

On February 9, 2009, the NRC staff completed its performance review of the Millstone Power Station (Millstone). Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2009. 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.

Overall, Millstone Units 2 and 3 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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 June 30, 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 mid-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).

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,

A handwritten signature in black ink, appearing to read "C. L. Burnett" followed by "FOR". The signature is written in a cursive style.

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

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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/
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

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NAME	T Setzer/TCS	D Jackson/ALB for	ABurritt
DATE	3/2/10	3/2/10	3/2/10

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Inspection / Activity Plan

01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start End	Inspection Activity Title	No. of Staff on Site
		71152 - PI&R	4
2	02/08/2010 02/12/2010	IP 71152B Identification and Resolution of Problems	
2	02/22/2010 02/26/2010	IP 71152B Identification and Resolution of Problems	
		71124 - OCC RAD SAFETY	1
2	02/08/2010 02/12/2010	IP 71124.01 Radiological Hazard Assessment and Exposure Controls	
2	02/08/2010 02/12/2010	IP 71124.02 Occupational ALARA Planning and Controls	
2	02/08/2010 02/12/2010	IP 71124.04 Occupational Dose Assessment	
		TI-180 - PROCEDURES & PROCESSES- MANAGING FATIGUE	1
2	05/19/2010 05/19/2010	IP 2515/180 Inspection of Procedures and Processes for Managing Fatigue	
		7111107T - TRIENNIAL HEAT SINK	2
2	06/21/2010 06/25/2010	IP 7111107T Heat Sink Performance	
		TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION	6
2	07/19/2010 07/23/2010	IP 7111105T Fire Protection [Triennial]	
2	08/02/2010 08/06/2010	IP 7111105T Fire Protection [Triennial]	
		7111111B - REQUAL INSP (MS2) WITH P/F RESULTS	3
2	09/13/2010 09/17/2010	IP 7111111B Licensed Operator Requalification Program	
		71124 - PUB RAD SAFETY - RADWASTE	1
2	08/30/2010 09/03/2010	IP 71124.08 Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		EP EX - EP EXERCISE EVALUATION	4
2	10/18/2010 10/22/2010	IP 7111401 Exercise Evaluation	
2	10/18/2010 10/22/2010	IP 7111404 Emergency Action Level and Emergency Plan Changes	
2	10/18/2010 10/22/2010	IP 71151-EP01 Drill/Exercise Performance	
2	10/18/2010 10/22/2010	IP 71151-EP02 ERO Drill Participation	
2	10/18/2010 10/22/2010	IP 71151-EP03 Alert & Notification System	
		ISFSI - ANNUAL SAMPLE - ISFSI INSPECTION	1
2	10/01/2010 12/31/2010	IP 60855 Operation Of An ISFSI	
		MODS - PERMANENT PLANT MODIFICATIONS	3
2	11/01/2010 11/05/2010	IP 7111117T Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
2	11/15/2010 11/19/2010	IP 7111117T Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		71124 - OCC RAD SAFETY - INSTRUMENTS & ISFSI	1
2	11/15/2010 11/19/2010	IP 60855 Operation Of An ISFSI	
2	11/15/2010 11/19/2010	IP 71124.03 In-Plant Airborne Radioactivity Control and Mitigation	
2	11/15/2010 11/19/2010	IP 71151 Performance Indicator Verification	
		TI-177 - MANAGING GAS ACCUMULATION IN ECCS	3
2	03/07/2011 03/11/2011	IP 2515/177 Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	

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

Millstone 2

Inspection / Activity Plan

01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
2	04/11/2011 04/22/2011	7111108P - U2 INSERVICE INSPECTION	IP 7111108P Inservice Inspection Activities - PWR	1

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Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		71152 - PI&R		
3	02/08/2010 02/12/2010	IP 71152B	Identification and Resolution of Problems	4
3	02/22/2010 02/26/2010	IP 71152B	Identification and Resolution of Problems	
		71124 - OCC RAD SAFETY		
3	02/08/2010 02/12/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
3	02/08/2010 02/12/2010	IP 71124.02	Occupational ALARA Planning and Controls	
3	02/08/2010 02/12/2010	IP 71124.04	Occupational Dose Assessment	
		71124 - OCC RAD SAEFTY		
3	04/19/2010 04/23/2010	IP 71124.02	Occupational ALARA Planning and Controls	1
		7111108P - U3 INSERVICE INSPECTION		
3	04/19/2010 04/30/2010	IP 7111108P	Inservice Inspection Activities - PWR	1
		TI-172 - U3 TI 2515/172 DISSIMILAR METAL WELDS		
3	04/19/2010 04/30/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	1
		TI-180 - PROCEDURES & PROCESSES- MANAGING FATIGUE		
3	05/19/2010 05/19/2010	IP 2515/180	Inspection of P Procedures and Processes for Managing Fatigue	1
		7111107T - TRIENNIAL HEAT SINK		
3	06/21/2010 06/25/2010	IP 7111107T	Heat Sink Performance	2
		TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION		
3	07/19/2010 07/23/2010	IP 7111105T	Fire Protection [Triennial]	6
3	08/02/2010 08/06/2010	IP 7111105T	Fire Protection [Triennial]	
		7111111B - REQUAL INSP (MS2) WITH P/F RESULTS		
3	09/13/2010 09/17/2010	IP 7111111B	Licensed Operator Requalification Program	3
		71124 - PUB RAD SAFETY - RADWASTE		
3	08/30/2010 09/03/2010	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
		EP EX - EP EXERCISE EVALUATION		
3	10/18/2010 10/22/2010	IP 7111401	Exercise Evaluation	4
3	10/18/2010 10/22/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	10/18/2010 10/22/2010	IP 71151-EP01	Drill/Exercise Performance	
3	10/18/2010 10/22/2010	IP 71151-EP02	ERO Drill Participation	
3	10/18/2010 10/22/2010	IP 71151-EP03	Alert & Notification System	
		MODS - PERMANENT PLANT MODIFICATIONS		
3	11/01/2010 11/05/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
3	11/15/2010 11/19/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		71124 - OCC RAD SAFETY - INSTRUMENTS & ISFSI		
3	11/15/2010 11/19/2010	IP 60855	Operation Of An ISFSI	1

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

Millstone 3

Inspection / Activity Plan

01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
3	11/15/2010 11/19/2010	71124 - OCC RAD SAFETY - INSTRUMENTS & ISFSI IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	1
3	11/15/2010 11/19/2010	IP 71151	Performance Indicator Verification	
3	03/07/2011 03/11/2011	TI-177 - MANAGING GAS ACCUMULATION IN ECCS IP 2515/177	Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal & Containment Spray System	3

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