



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

May 9, 2012

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

**SUBJECT: ASSESSMENT FOLLOW-UP LETTER FOR MILLSTONE POWER STATION  
UNIT 2 (05000336/2012009)**

Dear Mr. Heacock:

On May 1, 2012, the U. S. Nuclear Regulatory Commission (NRC) staff completed its quarterly review of plant performance for Millstone Power Station Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) and inspection results. This letter informs you of the NRC's assessment of your facility and its plans for future inspections at your facility. This letter supplements, but does not supersede, the annual assessment letter issued on March 5, 2012 (ADAMS Accession No. ML12061A240).

The NRC determined the performance at Millstone Power Station Unit 2 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix, based on one finding originating in the second quarter of 2011 having low to moderate safety significance (White) in the Initiating Events Cornerstone. This finding involved the failure of Millstone Unit 2 personnel to carry out their assigned roles and responsibilities and inadequate reactivity management during main turbine control valve testing, which contributed to an unintended eight percent reactor power transient (88 percent to 96 percent) on February 12, 2011. The details of this finding were documented in NRC Special Inspection Team (SIT) report 05000336/2011008 (ADAMS Accession No. ML111470484).

The SIT concluded that the plant operated within acceptable power limits and no equipment malfunctioned during the power transient. Additionally, prior to leaving the site, the team verified the immediate corrective actions taken by Dominion, which included the removal of the Millstone Unit 2 control room crew involved in the transient from operational duties pending remediation, issuance of a standing order, and temporarily establishing a continuous management presence in the Millstone Unit 2 control room while long term corrective actions were developed.

As a result of our quarterly review of Millstone Power Station Unit 2 performance, we plan to conduct a supplemental inspection using NRC Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area," when your staff has notified us of your readiness for this inspection. This inspection procedure is conducted to provide assurance that the root cause and contributing causes of risk significant performance issues are understood, the extent of condition is identified, and the corrective actions are sufficient to prevent recurrence.

During a telephone conversation on May 4, 2012, Mr. Stephen Scace, Millstone Site Vice President, informed me that Millstone is completing corrective actions to address the White finding. Since the supplemental inspection has not been completed within the finding's first four calendar year quarters, the finding will remain open and will continue to be an input into the NRC's ROP Action Matrix. As a result, Millstone Power Station Unit 2 will remain in the Regulatory Response Column until a successful supplemental inspection is completed. The NRC's process for held-open findings is described in NRC Inspection Manual Chapter 0305, "Operating Reactor Assessment Program."

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 the NRC's Agencywide Documents Access Management 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 Ronald R. Bellamy at (610) 337-5200 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Darrell J. Roberts, Director  
Division of Reactor Projects

Docket No. 50-336  
License No. DPR-65

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*/RA/*  
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 Division of Reactor Projects

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 ADAMS ACCESSION NUMBER: **ML12130A172**

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