August 30, 2007

Mr. David A. Christian
Sr. Vice President and Chief Nuclear Officer
Dominion Nuclear Connecticut, Inc.
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

SUBJECT: MILLSTONE POWER STATION, UNIT NO. 2: REPORT ON RESULTS OF STAFF AUDIT OF CORRECTIVE ACTIONS TO ADDRESS GENERIC LETTER 2004-02 (TAC NO. MC4694)

Dear Mr. Christian:

Generic Letter (GL) 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors," requested that all pressurized-water reactor (PWR) licensees (1) evaluate the adequacy of the emergency sump recirculation function with respect to potentially adverse effects associated with post-accident debris, and (2) implement any plant modifications determined to be necessary. Dominion Nuclear Connecticut, Inc. (Dominion), the licensee, has conducted an evaluation of recirculation sump performance for Millstone Power Station, Unit No. 2 (Millstone Unit 2). Dominion has installed new sump strainers in Millstone Unit 2.

Consistent with the discussion in the "Reasons for Information Request" section of GL 2004-02, the Nuclear Regulatory Commission (NRC) staff is using sample audits to help verify that addressees have resolved the concerns identified in the GL. The staff has conducted a detailed audit of the new sump strainer design and associated analyses and testing for Millstone Unit 2.

The NRC previously forwarded the draft report to Dominion, and Dominion, after consultation with its contractors and vendors for GL 2004-02 corrective actions, has confirmed that there is no proprietary information contained in the audit report.

The enclosed audit report provides Dominion feedback on its GL 2004-02 corrective actions and supporting analyses. Also, when made publically available, this audit report will serve as a vehicle to inform other PWR licensees of the NRC staff's technical positions on various aspects of Generic Safety Issue 191, PWR Sump Performance.

The enclosed audit report does not reach a conclusion regarding overall adequacy of Dominion's GL 2004-02 corrective actions. The NRC staff expects that Dominion's end-of-calendar year (CY) 2007 GL 2004-02 supplemental response will respond to the open items in the enclosed audit report. This expectation has been stated in public meetings with licensees and at the audit exit meeting for the Millstone Unit 2 audit. It is reinforced in a GL 2004-02 supplemental response content guide that the NRC staff released on

August 15, 2007 (Agencywide Documents Access and Management System Accession No. ML071060091). In early CY 2008 NRC staff consideration of Dominion's end-of-CY 2007 GL 2004-02 supplemental response (including its response to audit open items) will result in a letter to Dominion assessing the overall adequacy of the Millstone Unit 2 GL 2004-02 corrective actions.

The audit team did not evaluate whether the licensee has identified and/or submitted appropriate licensing documents for its GL 2004-02 corrective actions. The audit team did not evaluate the completeness of the licensee's implementation of GL 2004-02 corrective actions. That is within the scope of the Reactor Oversight Program under Test Instruction 2515/166, "Pressurized Water Reactor Containment Sump Blockage."

In conclusion, the NRC staff is appreciative of the licensee's support during all phases of the audit and the assistance to the NRC staff of the Dominion GSI-191 Audit designated single point-of-contact during the preparation, conduct, and documentation phases of the audit. The staff also thanks Dominion for providing appropriate office space and facilitating the emergency core cooling system pump rooms tour taken by the audit team members.

If you have any questions, please contact John Hughey, Project Manager, at (301) 415-3204.

Sincerely,

***/ra/ (RBEnnis for)***

Harold K. Chernoff, Chief
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No: 50-336

Enclosure:
As stated

cc w/encls: See next page

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Millstone Power Station, Unit No. 2

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