

Dominion Nuclear Connecticut, Inc.
Millstone Power Station
Rope Ferry Road
Waterford, CT 06385



Dominion™

FEB 26 2003

Docket No. 50-336
B18847

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Millstone Nuclear Power Station, Unit No. 2
Submittal of Third Reactor Vessel Surveillance Capsule Report

The reactor vessel material irradiation surveillance specimens inserted in the Millstone Unit No. 2 reactor vessel prior to initial plant startup are required to be removed and examined to determine changes in material properties, in accordance with the surveillance program. The third capsule, W-83, was removed on March 3, 2002, during the fourteenth refueling outage. In accordance with 10 CFR 50 Appendix H, a summary report is required to be provided within one year of the date of capsule withdrawal. Dominion Nuclear Connecticut, Inc. (DNC) hereby submits four (4) copies of the report summarizing the post irradiation testing and fluence analysis results associated with capsule W-83.

The first and second capsules, W-97 and W-104 respectively, were removed after 3.0 and 10 Effective Full Power Years (EFPY) of Unit 2 operation. Capsule W-83 was a spare capsule and removed after 15.3 EFPY contrary to the original plan to remove W-284 at 17 EFPY. The decision was made to remove the spare capsule after review of the projected lead factors and guidelines of ASTM E185. The Millstone Unit No. 2 capsule withdrawal schedule is in the process of being relocated to the Technical Requirements Manual, and a change to the schedule is planned shortly thereafter to take credit in the program for the spare capsule removal. A summary of the results from the analysis of the reactor vessel materials that were contained in surveillance capsule W-83 have been included in the report.

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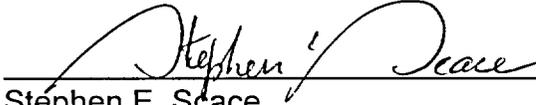
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R. Ennis

There are no regulatory commitments contained within this letter.

Should you have any questions regarding this submittal, please contact Mr. Ravi Joshi at (860) 440-2080.

Very truly yours,

DOMINION NUCLEAR CONNECTICUT, INC.



Stephen E. Scace
Assistant to the Site Vice President

Enclosure: WCAP-16012, Revision 0, Analysis of Capsule W-83 from the Dominion Nuclear Connecticut Millstone Unit 2 Reactor Vessel Radiation Surveillance Program (4 copies)

cc. w/o enclosure

H. J. Miller, Region I Administrator
R. B. Ennis, NRC Senior Project Manager, Millstone Unit No. 2
Millstone Senior Resident Inspector

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Enclosure

WCAP-16012, Revision 0, Analysis of Capsule W-83 from the Dominion Nuclear
Connecticut Millstone Unit 2 Reactor Vessel Radiation Surveillance Program