YANKEE ATOMIC ELECTRIC COMPANY
49 Yankee Road, Rowe, Massachusetts 01367

March 22, 2007
BYR 2007-025

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-001

References: (a) License No. DPR-3 (Docket No. 50-29)
(b) License No. 72-31

Subject: 10CFR72.48 Evaluation Biennial Summary Report for 2005/2006

In accordance with 10 CFR72.48(d)(2), Yankee Atomic Electric Company (YAEC) herewith submits the enclosed 10CFR72.48 Evaluation Biennial Summary Report for 2005 and 2006. This report summarizes the evaluations associated with facility changes, tests, and experiments implemented at the Yankee Nuclear Power Station (YNPS) site without prior NRC approval, as allowed under 10CFR72.48.

If you should have any questions or require any additional information, please contact me at (860) 267-3938 or Alice Carson at (301) 916-3995.

Sincerely,

Gerard van Noordennen

Gerard van Noordennen
Regulatory Affairs Manager

Enclosure: As stated

cc: S. Collins, NRC Region I Administrator
J. Hickman, NRC Project Manager
L. Kauffman, NRC Region I Inspector

NMSS01

Attachment to BYR 2007-025

Yankee Nuclear Power Station

Docket Numbers 50-29/72-31

10CFR72.48 Evaluation Biennial Summary Report for 2005/2006

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Evaluation No. 05-01: Sherman Dam Extension and Final Site Grading

The associated design change request (YA-DCR-00-001-05) covered the construction of an extension to the Sherman Dam to a point about 450 feet south of the YNPS ISFSI Gatehouse. The crest of the dam extension will be paved, thereby creating a continuous roadway from the ISFSI across the dam to the spill way bridge and beyond to a public road.

Also included in the DCR is the completion of site grading and the construction of a level spreader. This structure dissipates the flow of surface runoff from the site, thus trapping most silt and other sediments before the water flows into the Sherman Reservoir. Site stabilization will help ensure the long-term integrity of ISFSI structures and security features. The work is being performed as part of the overall decommissioning of YNPS.