

# YANKEE ATOMIC ELECTRIC COMPANY

Telephone (508) 721-7736  
Facsimile (508) 721-7743



Suite 200, 19 Midstate Drive, Auburn, Massachusetts 01501

June 20, 2003  
BYR 2003-052

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Reference: (a) License No. DPR-3 (Docket No. 50-29)

Subject: Calculations for License Termination Plan (LTP) Development

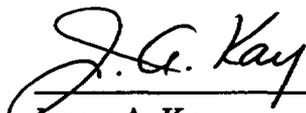
As per our discussions during the April 15, 2003 NRC meeting to discuss dose modeling, this letter provides copies of two calculations in support of our LTP development for the Yankee Nuclear Power Station (YNPS). A hardcopy of each calculation is enclosed as well as an electronic copy of the appendices via CD. The specific calculations provided are as follows:

- (1) YA-CALC-00-001-03, "RESRAD 6.21 Sensitivity Analysis for Soil – Resident Farmer Scenario," and
- (2) YA-CALC-00-002-03, "Derived Concentration Guideline Levels for Soil at YNPS Site."

These calculations are provided for your preliminary review. If you have any questions, please contact us.

Sincerely,

YANKEE ATOMIC ELECTRIC COMPANY

  
\_\_\_\_\_  
James A. Kay  
Principal Licensing Engineer

cc: J. Hickman, NRC, Senior Project Manager, NMSS (2 copies)  
T. O'Connell, MA DPH  
D. Howland, MA DEP  
M. Rosenstein, EPA, Region 1

NMSS01