

# YANKEE ATOMIC ELECTRIC COMPANY

Telephone (413) 424-5261



49 Yankee Road, Rowe, Massachusetts 01367

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BYR 2004-004

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

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

Subject: Derived Concentration Guidelines Level (DCGL) and Area Factor  
Calculations for License Termination Plan (LTP)

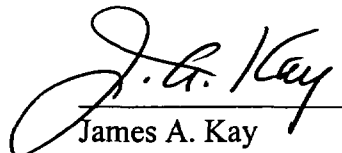
This letter provides a copy of calculations in support of the LTP for the Yankee Nuclear Power Station (YNPS). A hardcopy of each calculation is enclosed as well as a CD which contains an electronic copy of the attachment files. The specific calculations provided are as follows:

- (1) YA-CALC-01-002-03, "DCGLs for Soil at the Yankee Rowe Site"
- (2) YA-CALC-00-004-03, "Building Surface DCGLs"
- (3) YA-CALC-00-005-03, "Building Surface Area Factors"
- (4) YA-CALC-00-006-03, "Determination of Area Factors for Soil at YNPS Site"
- (5) YA-CALC-00-010-03, "Evaluation of Dose Integration Parameter in RESRAD-BUILD"

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

Sincerely,

YANKEE ATOMIC ELECTRIC COMPANY

  
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James A. Kay  
Principal Licensing Engineer

cc: J. Hickman, NRC, Senior Project Manager, NMSS (2 copies)  
R. Gallagher, MA DPH  
D. Howland, MA DEP  
M. Rosenstein, EPA, Region 1  
W. Perlman, Executive Committee Chair, FRCOG  
T. W. Hutcheson, Chair, Franklin Regional Planning Board  
D. Katz, CAN

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