

YANKEE ATOMIC ELECTRIC COMPANY

Telephone (413) 424-5261



49 Yankee Road, Rowe, Massachusetts 01367

April 11, 2013
BYR 2013-017
10 CFR 50.4 and 10 CFR 50.36a(2)

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

Yankee Atomic Electric Company
Yankee Nuclear Power Station Independent Spent Fuel Storage Installation
NRC License No. DPR-3 (NRC Docket Nos. 50-029 and 72-31)

Subject: Annual Radiological Environmental Operating Report and Annual Radioactive Effluent Release Report for 2012

In accordance with 10 CFR 50.36a(2) and Section F.2 of the Yankee Nuclear Power Station Independent Spent Fuel Storage Installation (ISFSI) Off-Site Dose Calculation Manual (ODCM), Yankee Atomic Electric Company is required to submit to the Annual Radioactive Effluent Release Report. In addition, Section F. 1 of the Yankee Nuclear Power Station ISFSI ODCM requires the submittal of an Annual Radiological Environmental Operating Report. Enclosures 1 and 2, respectively, provide the Yankee Nuclear Power Station ISFSI Annual Radiological Environmental Operating Report and Yankee Nuclear Power Station ISFSI Annual Radioactive Effluent Release Report for 2012.

There were no changes made to the Yankee Nuclear Power Station ISFSI ODCM in 2012.

This letter contains no new regulatory commitments.

If you have any questions regarding this submittal, please do not hesitate to contact me at (413) 424-5261 ext. 303, or at rmitchell@3yankees.com.

Respectfully,

Robert M. Mitchell
ISFSI Manager

JE25
JE48
NM5501

Enclosures:

1. Yankee Nuclear Power Station Independent Spent Fuel Storage Installation, Annual Radiological Environmental Operating Report, January – December 2012.
2. Yankee Nuclear Power Station Independent Spent Fuel Storage Installation, Annual Radioactive Effluent Release Report, January – December 2012.

cc: W. M. Dean, NRC Region I Administrator
M. S. Ferdas, Chief, Decommissioning Branch, NRC, Region 1
J. Goshen, NRC Project Manager, Yankee Rowe
Director Radiation Control Program, MA DPH