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Entergy Nuclear Operations, Inc.  
Vermont Yankee  
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Vernon, VT 05354  
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STATE OF VERMONT  
DEPT OF PUBLIC SERVICE  
MONTPELIER, VT.  
05620-2601  
Robert J. Wanczyk  
Manager, Licensing

BVY 12-011

February 6, 2011

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

SUBJECT: ISFSI Annual Radioactive Effluent Release Report for 2011  
Vermont Yankee Nuclear Power Station  
Docket No. 50-271  
License No. DPR-28

Dear Sir or Madam:

In accordance with 10CFR72.44(d)(3), Vermont Yankee hereby submits the Independent Spent Fuel Storage Installation (ISFSI) annual effluent report for the previous calendar year.

By design, the seal welded storage canisters of the Holtec HI-STORM 100 Cask System used at Vermont Yankee do not create any radioactive materials or have any radioactive material effluents. The seal welded storage system design provides assurance that there are no radioactive effluent release pathways from the storage casks.

This letter documents that there were no radioactive effluents discharged or released from the Vermont Yankee ISFSI and therefore no ISFSI-specific data to report for calendar year 2011.

There are no new regulatory commitments being made in this submittal.

Should you have any questions concerning this submittal, please contact me at (802) 451-3166.

Sincerely,

[RJW/JTM]

cc: Mr. William Dean, Region 1 Administrator  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1415

ATTN: Document Control Desk  
Director, Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
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Mr. James S. Kim, Project Manager  
U.S. Nuclear Regulatory Commission  
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USNRC Resident Inspector  
Entergy Nuclear Vermont Yankee  
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Ms. Elizabeth Miller, Commissioner  
VT Department of Public Service  
112 State Street – Drawer 20  
Montpelier, Vermont 05620