



Entergy Nuclear Vermont Yankee, LLC
Entergy Nuclear Operations, Inc.
185 Old Ferry Road
Brattleboro, VT 05302-0500

March 10, 2004
BVY 04-29

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

**Subject: Vermont Yankee Nuclear Power Station
License No. DPR-28 (Docket No. 50-271)
2003 Annual Report of Personnel Exposure**

The purpose of this letter is to submit the Vermont Yankee (VY) annual report of personnel exposure in accordance with the requirements of section 6.6.A of the VY Technical Specifications. The attached report, titled "Reg. Guide 1.16 Man-Rem Final End of Year Report for 2003," includes a summary of the special maintenance conducted during 2003. This report covers the period beginning January 1, 2003 and ending December 31, 2003.

We trust that the information provided is adequate; however, should you have questions or require additional information, please contact me at (802) 258-4236.

Sincerely,



James M. DeVincentis
Manager, Licensing

Attachment

cc: USNRC Region 1 Administrator
USNRC Resident Inspector – VYNPS
USNRC Project Manager – VYNPS
Vermont Department of Public Service

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SUMMARY OF VERMONT YANKEE COMMITMENTS

BVY NO.: 04-29 "2003 Annual Report of Personnel Exposure"

The following table identifies commitments made in this document by Vermont Yankee. Any other actions discussed in the submittal represent intended or planned actions by Vermont Yankee. They are described to the NRC for the NRC's information and are not regulatory commitments. Please notify the Licensing Manager of any questions regarding this document or any associated commitments.

| COMMITMENT | COMMITTED DATE OR "OUTAGE" |
|------------|-------------------------------|
| None | N/A |
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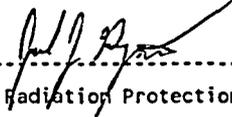
Vermont Yankee Nuclear Power
 REG. GUIDE 1.16 MAN-REM FINAL END OF THE YEAR REPORT FOR 2003

| | NUMBER OF PERSONNEL OVER 100 MREM | | | TOTAL MAN-REM | | |
|--|-----------------------------------|----------------------|--------------------------------|----------------------|----------------------|--------------------------------|
| | STATION EMPLOYEES | UTILITY EMPLOYEES | CONTRACT WORKERS AND OTHERS | STATION EMPLOYEES | UTILITY EMPLOYEES | CONTRACT WORKERS AND OTHERS |
| REACTOR OPERATIONS & SURVEILLANCE | | | | | | |
| MAINTENANCE | 42 | 0 | 20 | 12.981 | 0.025 | 6.751 |
| OPERATIONS | 8 | 0 | 0 | 1.907 | 0.000 | 0.000 |
| HEALTH PHYSICS | 17 | 0 | 1 | 5.145 | 0.000 | 0.287 |
| SUPERVISORY | 0 | 0 | 0 | 0.009 | 0.000 | 0.000 |
| ENGINEERING | 0 | 0 | 0 | 0.178 | 0.000 | 0.280 |
| OTHER | 3 | 0 | 0 | 0.617 | 0.000 | 0.069 |
| SECURITY | 0 | 0 | 0 | 0.632 | 0.000 | 0.000 |
| ROUTINE MAINTENANCE | | | | | | |
| MAINTENANCE | 31 | 1 | 18 | 8.800 | 0.370 | 7.162 |
| OPERATIONS | 2 | 0 | 0 | 0.415 | 0.000 | 0.000 |
| HEALTH PHYSICS | 7 | 0 | 0 | 1.561 | 0.000 | 0.066 |
| SUPERVISORY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| ENGINEERING | 0 | 0 | 5 | 0.023 | 0.000 | 1.304 |
| OTHER | 1 | 0 | 0 | 0.120 | 0.000 | 0.000 |
| SECURITY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| INSERVICE INSPECTION | | | | | | |
| MAINTENANCE | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| OPERATIONS | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| HEALTH PHYSICS | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| SUPERVISORY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| ENGINEERING | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| OTHER | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| SECURITY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| SPECIAL MAINTENANCE | | | | | | |
| MAINTENANCE | 6 | 0 | 13 | 1.604 | 0.000 | 3.342 |
| OPERATIONS | 0 | 0 | 0 | 0.051 | 0.000 | 0.000 |
| HEALTH PHYSICS | 1 | 0 | 0 | 0.125 | 0.000 | 0.000 |
| SUPERVISORY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| ENGINEERING | 0 | 0 | 0 | 0.057 | 0.000 | 0.399 |
| OTHER | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| SECURITY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| WASTE PROCESSING | | | | | | |
| MAINTENANCE | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| OPERATIONS | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| HEALTH PHYSICS | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| SUPERVISORY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| ENGINEERING | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| OTHER | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| SECURITY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| REFUELING | | | | | | |
| MAINTENANCE | 0 | 0 | 0 | 0.022 | 0.000 | 0.005 |
| OPERATIONS | 0 | 0 | 0 | 0.031 | 0.000 | 0.000 |
| HEALTH PHYSICS | 0 | 0 | 0 | 0.001 | 0.000 | 0.000 |
| SUPERVISORY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| ENGINEERING | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| OTHER | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |
| SECURITY | 0 | 0 | 0 | 0.000 | 0.000 | 0.000 |

TOTALS

| | | | | | | |
|----------------|----|---|----|--------|-------|--------|
| MAINTENANCE | 79 | 1 | 51 | 23.407 | 0.395 | 17.260 |
| OPERATIONS | 10 | 0 | 0 | 2.404 | 0.000 | 0.000 |
| HEALTH PHYSICS | 25 | 0 | 1 | 6.832 | 0.000 | 0.353 |
| SUPERVISORY | 0 | 0 | 0 | 0.009 | 0.000 | 0.000 |
| ENGINEERING | 0 | 0 | 5 | 0.258 | 0.000 | 1.983 |
| OTHER | 4 | 0 | 0 | 0.737 | 0.000 | 0.069 |
| SECURITY | 0 | 0 | 0 | 0.632 | 0.000 | 0.000 |

GRAND TOTAL 118 1 57 34.277 0.395 19.665

Approved by :  3/3/04
Radiation Protection Manager Date

Vermont Yankee Nuclear Power Corp.

Dose Totals for Special Maintenance in 2003

| | |
|----------------------------------|-----------|
| Service Water Barrel Replacement | 1.452 REM |
| Replace V-12-74 RWCU Valve | 3.566 REM |