



# VERMONT YANKEE NUCLEAR POWER CORPORATION

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February 23, 2000  
BVY 00-26

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)  
1999 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 1999," includes a summary of the special maintenance conducted during 1999. This report covers the period beginning January 1, 1999 and ending December 31, 1999.

We trust that the information provided is adequate; however, should you have questions or require additional information, please contact Mr. John J. Geyster at (802) 258-5471.

Sincerely,

VERMONT YANKEE NUCLEAR POWER CORPORATION

Michael P. Desilets  
Radiation Protection Manager

Attachment

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

IE56



Vermont Yankee Nuclear Power Corp.  
 REG. GUIDE 1.16 MAN-REM FINAL END OF THE YEAR REPORT FOR 1999

	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
<b>REACTOR OPERATIONS &amp; SURVEILLANCE</b>						
MAINTENANCE	20	0	55	7.291	0.004	19.271
OPERATIONS	13	0	0	4.115	0.000	0.000
HEALTH PHYSICS	13	0	8	4.017	0.000	3.268
SUPERVISORY	0	0	0	0.022	0.000	0.010
ENGINEERING	0	0	0	0.341	0.000	0.002
OTHER	2	0	0	0.491	0.000	0.167
SECURITY	0	0	0	0.008	0.000	0.000
<b>ROUTINE MAINTENANCE</b>						
MAINTENANCE	33	0	289	11.255	0.000	86.489
OPERATIONS	4	0	0	1.510	0.000	0.000
HEALTH PHYSICS	3	0	9	0.909	0.000	3.013
SUPERVISORY	0	0	0	0.199	0.000	0.015
ENGINEERING	0	0	0	0.260	0.000	0.088
OTHER	2	0	0	0.933	0.000	0.032
SECURITY	0	0	0	0.060	0.000	0.000
<b>INSERVICE INSPECTION</b>						
MAINTENANCE	0	0	21	0.232	0.000	5.699
OPERATIONS	0	0	0	0.013	0.000	0.000
HEALTH PHYSICS	0	0	0	0.182	0.000	0.048
SUPERVISORY	0	0	0	0.006	0.000	0.000
ENGINEERING	0	0	0	0.010	0.000	0.000
OTHER	0	0	0	0.000	0.000	0.000
SECURITY	0	0	0	0.000	0.000	0.000
<b>SPECIAL MAINTENANCE</b>						
MAINTENANCE	2	1	60	0.386	0.133	21.655
OPERATIONS	0	0	0	0.006	0.000	0.000
HEALTH PHYSICS	0	0	1	0.000	0.000	0.519
SUPERVISORY	0	0	1	0.000	0.000	0.138
ENGINEERING	1	0	0	0.191	0.000	0.000
OTHER	0	0	1	0.000	0.000	0.227
SECURITY	0	0	0	0.000	0.000	0.000
<b>WASTE PROCESSING</b>						
MAINTENANCE	0	0	0	0.091	0.000	0.229
OPERATIONS	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS	0	0	0	0.072	0.000	0.017
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
<b>REFUELING</b>						
MAINTENANCE	0	0	1	0.289	0.000	1.111
OPERATIONS	0	0	0	0.102	0.000	0.000
HEALTH PHYSICS	0	0	0	0.030	0.000	0.004
SUPERVISORY	0	0	0	0.044	0.000	0.000
ENGINEERING	0	0	0	0.039	0.000	0.000
OTHER	0	0	0	0.025	0.000	0.001
SECURITY	0	0	0	0.000	0.000	0.000

TOTALS

MAINTENANCE	55	1	426	19.545	0.137	134.454
OPERATIONS	17	0	0	5.746	0.000	0.000
HEALTH PHYSICS	16	0	18	5.209	0.000	6.868
SUPERVISORY	0	0	1	0.271	0.000	0.163
ENGINEERING	1	0	0	0.841	0.000	0.090
OTHER	4	0	1	1.449	0.000	0.427
SECURITY	0	0	0	0.068	0.000	0.000

GRAND TOTAL 93 1 446 33.129 0.137 142.002

Approved by :

*Michael Lindo*

*2/14/00*

Radiation Protection Manager

Date

**Vermont Yankee Nuclear Power Corp.  
Dose Totals for Special Maintenance in 1999**

Nitrogen Piping Modification	14.092 REM
HPCI/RCIC Valve Modifications	3.808 REM
RBCCW Hanger Modifications	2.750 REM
Recirc Discharge Valve Modification	2.605 REM