



NANCY S. MALMQUIST
nmalmquist@drm.com

April 1, 2013

Mrs. Susan M. Hudson, Clerk
Vermont Public Service Board
112 State Street
Montpelier, VT 05620-2701

Re: Entergy Nuclear Vermont Yankee, LLC and Entergy Nuclear Operations, Inc.
Docket No. 6545

Dear Mrs. Hudson:

An original and six copies of the attached report and documents are filed on behalf of Entergy Nuclear Vermont Yankee, LLC and Entergy Nuclear Operations, Inc. (collectively, "Entergy VY"), pursuant to Paragraph 10 of the Order of the Vermont Public Service Board (the "Board") dated 6/13/02 in Docket No. 6545, and Paragraph 3 of the Certificate of Public Good issued with the Order, which provides as follows:

Entergy Nuclear Vermont Yankee, LLC shall report to the Board and to the Department the status of the decommissioning funds and the latest Nuclear Regulatory Commission ("NRC") calculation of such responsibility at the same time such report is required by the NRC. ENVY shall make this information available to the public and will participate in a public discussion, on the adequacy of the decommissioning funds at a meeting or meetings or some other forum to be determined in conjunction with the Department.

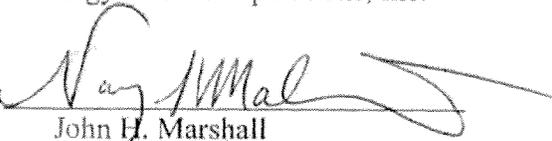
This information was sent on March 29, 2013 to the Nuclear Regulatory Commission. The NRC filing included information about other power reactors operated by Entergy Nuclear Operations, Inc. We are providing only the filing information related to Entergy Nuclear Vermont Yankee, LLC. As required, Entergy VY will consult with the Department as to a public discussion on this matter.

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Entergy VY notes its continued objection to the Board exercising its regulatory authority to order Entergy VY to take actions, including the filing of reports, relating to matters of exclusive federal jurisdiction.

Please let us know if you have any questions.

Very truly yours,
DOWNS RACHLIN & MARTIN PLLC
Attorneys for Entergy Nuclear Vermont Yankee, LLC
And Entergy Nuclear Operations, Inc.

By: 
John H. Marshall
Nancy S. Malmquist

c: Geoffrey Commons, Esq.
Timothy Ngau, Esq.
Jeanne Cho, Esq.

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Entergy Nuclear Operations, Inc
 440 Hamilton Avenue
 White Plains, NY 10601
 Tel 914 272 3370

John F. McCann
 Vice President – Nuclear Safety,
 Emergency Planning and Licensing

ENOC-13-00007
 March 29, 2013

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

SUBJECT: Decommissioning Funding Status Report per 10 CFR §50.75(f)(1) and 10 CFR 50.82(a)(8)(v) -- Entergy Nuclear Operations, Inc

Big Rock Point Docket 50-155 License No. DPR-6	Palisades Nuclear Plant Docket 50-255 License No. DPR-28
Indian Point Nuclear Generating Stations 1, 2, & 3 Dockets 50-3, 50-247 and 50-286 License Nos. DPR-6, DRP-26, DPR-64	James A. FitzPatrick Nuclear Power Plant Docket 50-333 License No. DPR-59
Pilgrim Nuclear Power Station Docket 50-293 License No. DPR-35	Vermont Yankee Nuclear Power Station Docket 50-271 License No. DPR-28

- REFERENCES: 1. NUREG-1307, "Report on Waste Burial Charges," Revision 15, dated January 2013.
2. NRC Regulatory Issue Summary 2001-07, "10 CFR 50.75(f)(1) Reports on the Status of Decommissioning Funds (Due March 31, 2001)."

Dear Sir or Madam:

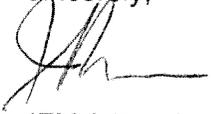
10 CFR 50.75(f)(1) requires each power reactor licensee to report to the NRC by March 31, 1999, and every two years thereafter, on the status of its decommissioning funding for each reactor, or share of a reactor, that it owns. 10 CFR 50.82(a)(8)(v) requires licensees of shutdown sites to report to the NRC annually, by March 31, on the status of decommissioning financial assurance for those sites. On behalf of Entergy Nuclear Indian Point 2 LLC (Indian Point 1 & 2), Entergy Nuclear Indian Point 3 LLC, Entergy Nuclear Vermont Yankee LLC, Entergy Nuclear Generation Company (Pilgrim Station), Entergy Nuclear FitzPatrick LLC, and Entergy Nuclear Palisades LLC (Palisades and Big Rock Point), Entergy Nuclear Operations, Inc. hereby submits the information requested for power reactors operated by Entergy Nuclear

Operations, Inc. The reports provided in Attachments 1 through 13 for the eight licensed facilities addressed by this filing, were prepared in accordance with NUREG-1307 (Reference 1) and NRC Regulatory Issue Summary 2001-07 (Reference 2). Attachments 14 and 15 are updated site specific decommissioning cost estimates for Indian Point Unit 1 and Indian Point Unit 2, respectively. The Minimum Funding Assurance calculation worksheets, derived from LIC-205 Revision 4, are provided in Attachment 16 for the convenience of the reviewer.

The aforementioned worksheets, using the December 31, 2012 trust fund balances and parent guarantee amounts, indicate that all of the plants covered by this submittal met or exceeded the NRC's funding requirements, except that Palisades was approximately 2 percent below the requirement. Since December 31, 2012, the decommissioning trust fund for Palisades has increased. Entergy Nuclear Operations, Inc. has recomputed the financial assurance for Palisades using the most recently available month-end balance information (February 28, 2013) and removing two months from the escalation calculation. The revised worksheet, included in Attachment 16, indicates that the currently-available financial assurance for Palisades now exceeds the NRC's funding requirements. Accordingly, the licensees conclude that no further action is required at this time to demonstrate adequate funding assurance for decommissioning the plants covered by this submittal.

There are no new commitments made in this letter. If you have any questions, please contact Mr. David Mannai, Senior Manager, Nuclear Safety & Licensing at 802-380-1175.

Sincerely,



JFM / djm / krk

Attachments: As described above

cc: See next page

cc:

Mr. J. A. Aluise (ENT)
Ms. W. C. Curry (ECH)
Mr. J.S. Forbes (ECH)
Mr. B. E. Green (TMBR)
Mr. D. J. Mannai (WPO)
Mr. J. F. McCann (WPO)
Mr. T. G. Mitchell (WPO)
Mr. M. Perito (WPO)
Mr. L. Jager Smith (ECH)

Mr. M. Colomb (JAF)
Mr. R. G. Smith (PIL)
Mr. J. A. Ventosa (IPEC)
Mr. A. J. Vitale (PAL)
Mr. C. J. Wamsler (VTY)

USNRC Regional Administrator, Region I
USNRC Regional Administrator, Region III

USNRC Project Manager, Big Rock Point
USNRC Project Manager, Indian Point 1
USNRC Project Manager, Indian Point 2 / 3
USNRC Project Manager, J. A. FitzPatrick
USNRC Project Manager, Palisades
USNRC Project Manager, Pilgrim
USNRC Project Manager, Vermont Yankee

USNRC Resident Inspector, Indian Point 2 / 3
USNRC Resident Inspector, J. A. FitzPatrick
USNRC Resident Inspector, Palisades
USNRC Resident Inspector, Pilgrim
USNRC Resident Inspector, Vermont Yankee

Michigan Department of Environmental Quality
Michigan Public Service Commission
NYS Department of Public Service
Vermont Department of Public Service
Downs Rachlin Martin PLLC / St. Johnsbury, VT
Massachusetts Emergency Management Agency

Attachment 5
ENOC-13-00007
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Entergy Nuclear Operations, Inc.
Status of Decommissioning Funding Vermont Yankee
For Year Ending December 31, 2012 - 10 CFR 50.75(f)(1)

Plant Name: **Vermont Yankee Nuclear Power Station**

- | | |
|---|---|
| 1. Minimum Financial Assurance (MFA)
estimated per 10 CFR 50.75(b) and (c) (2012\$) | \$ 620.84 million ^[Note] |
| 2. Decommissioning Trust Fund Total
as of 12/31/12 | \$ 543.26 million |
| 3. A schedule of the annual amounts remaining to be collected | None. |
| 4. Assumptions used in determining rates of escalation in
decommissioning costs, rates of earnings on decommissioning
funds, and rates of other factors used in funding projections | 2% annual real rate
of return per 10 CFR
50.75(e)(1)(i) |
| 5. Any contracts upon which the licensee is relying pursuant to 10
CFR 50.75(e)(1)(v) | None |
| 6. Modifications occurring to a licensee's current method of
providing financial assurance since the last submitted report | None |
| 7. Any material changes to trust agreements | None |

Note: Calculation of the NRC Minimum Amount is provided in Attachment 6.

Entergy Nuclear Operations, Inc.
Calculation of Minimum Amount - Vermont Yankee
For Year Ending December 31, 2012 - 10 CFR 50.75(f)(1)

Entergy Nuclear Vermont Yankee LLC.: 100% ownership interest
Plant Location: Vernon, Vermont
Reactor Type: Boiling Water Reactor ("BWR")
Power Level: <3,400 MWt (1912 MWt)
BWR Base Year 1986\$: \$121,208,000
Labor Region: North
Waste Burial Facility: Generic Disposal Site

10CFR50.75(c)(2) Escalation Factor Formula:

$$0.65(L) + 0.13(E) + 0.22(B)$$

	Factor
L=Labor (North)	2.55 ¹
E=Energy (BWR)	2.70 ²
B=Waste Burial-Vendor (BWR)	14.160 ³

BWR Escalation Factor:

$$0.65(L) + 0.13(E) + 0.22(B) = 5.12213$$

1986 BWR Base Year \$ Escalated:

$$\$121,208,000 * \text{Factor} = \$620,842,653$$

¹ Bureau of Labor Statistics, Series Report ID: CIU201000000210i (4th Quarter 2012)
² Bureau of Labor Statistics, Series Report ID: wpu0543 and wpu0573 (December 2012)
³ Nuclear Regulatory Commission: NUREG-1307 Revision 15, Table 2.1 (2012)

Entergy Nuclear Operations, Inc.
Minimum Financial Assurance Calculation Worksheets

Plant name: Vermont Yankee Power Station
Year of Biennial: 2013
Termination of Operation: 2032

Month: 1
Day: 1
Year: 2013

BWR	MWth	1986\$	ECI	Base Lx	Lx	Px	Fx	Ex	Bx
	1912	\$121,208,000	117.9	2.16	2.55	1.865	3.690	2.70	14.16
			0.65				0.13	0.22	

NRC Minimum: \$620,842,653 Site Specific:

Licensee:	% Owned:	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Energy	100.00%	\$620,842,653	\$543,260,693

Step 1:
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per	Years Left in License	Total Real Rate of	Total Earnings:
\$543,260,693	2%	19.22	1.46321	\$794,906,688
				Total Earnings = Trust Fund balance x (1+RRR)^Years left in license

Step 2:

Accumulation:	Real Rate of Return per	Years of Annuity:	Total Annuity:
Value of Annuity per year	2%	0	\$0

Step 3:
Decom Period:

Total Earnings:	Real Rate of Return per	Decom Period:	Total Real Rate of	Total Earnings for Decom:
\$794,906,688	2%	7	0.14869	\$59,095,616
				Total Earnings for Decom = (1/2) x Total Earnings x [(1+RRR)^Decom period - 1]
			Total of Steps 1 - 3:	Total = Total Earnings + Total Earnings for Decom
			\$854,002,304	to NRC minimum
			Excess (Shortfall)	233,159,651