



Entergy Nuclear Operations, Inc.  
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**John F. McCann**  
Director  
Nuclear Safety and Licensing

May 8, 2008  
ENOC-08-00028

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

SUBJECT: Entergy Nuclear Operations, Inc.  
Indian Point Nuclear Generating Units 1, 2, & 3  
Dockets 50-003, 50-247, & 50-286  
James A. FitzPatrick Nuclear Power Plant  
Docket 50-333  
Palisades Nuclear Plant  
Docket 50-255  
Big Rock Point  
Docket 50-155

**Decommissioning Fund Status Report**

Reference: 1. Entergy letter ENOC-08-00018 dated March 26, 2008; regarding  
Decommissioning Fund Status Report for Vermont Yankee and Pilgrim.

Dear Sir or Madam:

Entergy Nuclear Operations, Inc (Entergy) is providing the reports required by 10 CFR 50.75(f)(1) regarding the status of decommissioning funding for the above subject plants. The reports, provided in Attachments I through VI for the six listed plants, were prepared in accordance with NUREG-1307, Revision 12 and RIS 2001-07. These reports are being provided as a result of a recent determination that Entergy's proposed indirect license transfer satisfies the "merger or acquisition" clause in 10 CFR 50.75(f)(1). Reports for Vermont Yankee and Pilgrim Nuclear Power Stations were previously transmitted in Reference 1.

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NKR

There are no new regulatory commitments identified in this letter. If you have any questions or require additional information, please contact Ms. Charlene Faison at 914-272-3378.

Sincerely,



John F. McCann  
Director  
Nuclear Safety and Licensing  
Entergy Nuclear Operations

cc:

M. Chawla NRC NRR Project Manager, Palisades  
J. Boska NRC NRR Project Manager, Indian Point  
A. Muniz NRC NRR Project Manager, J.A. FitzPatrick  
R. Hall NRC NMSS Project Manager, Big Rock Point  
S. Collins NRC Region I Regional Administrator  
J. Caldwell NRC Region III Regional Administrator  
NRC Senior Resident Inspector, Indian Point 2  
NRC Senior Resident Inspector, Indian Point 3  
NRC Senior Resident Inspector, FitzPatrick  
NRC Senior Resident Inspector, Palisades  
P. Eddy NY Department of Public Service  
Michigan Department of Environmental Quality

**ATTACHMENT I TO ENOC-08-00028**

**DECOMMISSIONING FUND STATUS REPORT  
FOR  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 1**

**ENTERGY NUCLEAR OPERATIONS, INC.  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 1  
DOCKET NO. 50-003**

**ENOC-08-00028; Attachment I**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – Indian Point 1**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

Plant Name: **Indian Point Nuclear Generating Unit No. 1**

- |    |   |   |
|----|---|---|
| 1. | Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75 (b) and (c).  | \$ 317.09 million <sup>[Note]</sup>             |
|    | Decommissioning cost estimate escalated at 3.0% per year to the midpoint of decommissioning (December 2016).  | \$ 413.72 million                               |
| 2. | Amount accumulated to the end of the calendar year preceding the date of the report (December 31, 2007).  | \$ 271.19 million                               |
|    | Fund balance with 5.0% annual growth to the midpoint of decommissioning (December 2016).  | \$ 420.70 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. | Escalation rate: 3.0%<br>Rate of earnings: 5.0% |
| 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:**

In accordance with 10 CFR 50.75(c)(1)(i) PWR reactors below 1200 MWt are to use this minimum value. Indian Point 1 had a thermal power level of 615 MWt. (Refer to Attachment 3, pg. 15, of June 8, 2001 letter, M. R. Kansler to USNRC regarding "Response to June 5, 2001 Letter, Indian Point Nuclear Generating Unit Nos. 1 and 2, Transfer of Facility Operating License (TAC Nos. MB0743 and MB0744).")

**ATTACHMENT II TO ENOC-08-00028**

**DECOMMISSIONING FUND STATUS REPORT  
FOR  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2**

**ENTERGY NUCLEAR OPERATIONS, INC.  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 2  
DOCKET NO. 50-247**

**ENOC-08-00028; Attachment II**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – Indian Point 2**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

**Plant Name: Indian Point Nuclear Generating Unit No. 2**

- |    |   |   |
|----|---|---|
| 1. | Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75 (b) and (c).  | \$ 382.83 million                               |
|    | Decommissioning cost estimate escalated at 3.0% per year to the midpoint of decommissioning (December 2016).  | \$ 499.51 million                               |
| 2. | Amount accumulated to the end of the calendar year preceding the date of the report (December 31, 2007).  | \$ 347.20 million <sup>[Note]</sup>             |
|    | Fund balance with 5.0% annual growth to the midpoint of decommissioning (December 2016).  | \$ 538.62 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. | Escalation rate: 3.0%<br>Rate of earnings: 5.0% |
| 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:**

Includes provisional fund balance of \$29.2 million.

**ATTACHMENT III TO ENOC-08-00028**

**DECOMMISSIONING FUND STATUS REPORT  
FOR  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 3**

**ENTERGY NUCLEAR OPERATIONS, INC.  
INDIAN POINT NUCLEAR GENERATING UNIT NO. 3  
DOCKET NO. 50-286**

**ENOC-08-00028; Attachment III**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – Indian Point 3**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

Plant Name: **Indian Point Nuclear Generating Unit No. 3**

- |    |   |   |
|----|---|---|
| 1. | Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75 (b) and (c).  | \$ 382.83 million                               |
|    | Decommissioning cost estimate escalated at 3.0% per year to the midpoint of decommissioning (December 2018).  | \$ 529.93 million                               |
| 2. | Amount accumulated to the end of the calendar year preceding the date of the report (December 31, 2007).  | \$ 468.32 million                               |
|    | Fund balance with 5.0% annual growth to the midpoint of decommissioning (December 2018).  | \$ 800.98 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. | Escalation rate: 3.0%<br>Rate of earnings: 5.0% |
| 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  |

**ATTACHMENT IV TO ENOC-08-00028**

**DECOMMISSIONING FUND STATUS REPORT**

**FOR**

**JAMES A. FITZPATRICK**

**ENTERGY NUCLEAR OPERATIONS, INC.  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
DOCKET NO. 50-333**

**ENOC-08-00028; Attachment IV**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – James A. FitzPatrick**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

Plant Name: **James A. FitzPatrick**

- |    |   |   |
|----|---|---|
| 1. | Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75 (b) and (c).  | \$ 513.64 million                               |
|    | Decommissioning cost estimate escalated at 3.0% per year to the midpoint of decommissioning (December 2017).  | \$ 690.29 million                               |
| 2. | Amount accumulated to the end of the calendar year preceding the date of the report (December 31, 2007).  | \$ 511.02 million                               |
|    | Fund balance with 5.0% annual growth to the midpoint of decommissioning (December 2017).  | \$ 832.40 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. | Escalation rate: 3.0%<br>Rate of earnings: 5.0% |
| 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  |

**ATTACHMENT V TO ENOC-08-00028**

**DECOMMISSIONING FUND STATUS REPORT  
FOR  
PALISADES NUCLEAR PLANT**

**ENTERGY NUCLEAR OPERATIONS, INC.  
PALISADES NUCLEAR PLANT  
DOCKET NO. 50-255**

**ENOC-08-00028; Attachment V**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – Palisades Nuclear Plant**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

Plant Name: **Palisades Nuclear Plant**

- |    |   |   |
|----|---|---|
| 1. | Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75 (b) and (c).  | \$ 354.19 million                               |
|    | Decommissioning cost estimate escalated at 3.0% per year to the midpoint of decommissioning (December 2034).  | \$ 786.75 million                               |
| 2. | Amount accumulated to the end of the calendar year preceding the date of the report (December 31, 2007).  | \$ 257.91 million                               |
|    | Fund balance with 5.0% annual growth to the midpoint of decommissioning (December 2034).  | \$ 962.90 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. | Escalation rate: 3.0%<br>Rate of earnings: 5.0% |
| 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  |

**ATTACHMENT VI TO ENOC-08-00028**

**DECOMMISSIONING FUND STATUS REPORT  
FOR  
BIG ROCK POINT**

**ENTERGY NUCLEAR OPERATIONS, INC.  
BIG ROCK POINT  
DOCKET NO. 50-155**

**ENOC-08-00028; Attachment VI**  
**Entergy Nuclear Operations, Inc.**  
**Status of Decommissioning Funding – Big Rock Point**  
**For Year Ending December 31, 2007 – 10 CFR 50.75(f)(1)**

Plant Name: **Big Rock Point**

- |    |   |  |
|----|---|--|
| 1. | Amount of decommissioning funds required from most recent estimate (2003 dollars)   | \$ 2.74 million                                |
|    | Decommissioning cost estimate escalated at 3% to 2007 dollars   | \$ 3.08 million                                |
| 2. | Decommissioning Funding Assurance Method  | Parent Guarantee (\$5 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. | Escalation rate: 3.0%<br>Rate of earnings: n/a |
| 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   |