



**Entergy Nuclear Northeast**  
**Indian Point Energy Center**  
450 Broadway, GSB  
P.O. Box 249  
Buchanan, N.Y. 10511-0249  
Tel (914) 734-6710

**Robert Walpole**  
Licensing Manger

NL-11-037

April 11, 2011

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

**SUBJECT:** 2010 Annual Environmental Protection Plan Report  
Indian Point Unit Nos. 1, 2 and 3  
Docket Nos. 50-03, 50-247, 50-286  
License Nos. DPR-5, DPR-26, DPR-64

Dear Sir or Madam:

This letter provides Entergy Nuclear Operations, Inc.'s (ENO's) Annual Environmental Protection Plan Report for the period January 1, 2010 through December 31, 2010. This report is submitted in accordance with Appendix B to each facility's operating license, DPR-5, DPR-26, and DPR-64, for Indian Point Units 1, 2, and 3, respectively. This report satisfies the requirements of Subsection 5.4.1 of the Environmental Technical Specifications.

There are no new commitments contained in this letter. If you have any questions or require additional information, please contact me at 914-734-6710.

Sincerely,

RW/mb

cc: next page

JE 25  
FSME 20  
NRK  
FSME

Enclosure: 1. Environmental Protection Plan Report

cc: Mr. William Dean, Regional Administrator, NRC Region 1  
Mr. John Boska, Senior Project Manager, NRC NRR DORL  
IPEC NRC Resident Inspector's Office  
Mr. Stephen Giebel, IPEC NRC Unit 1 Project Manager  
Mr. Catherine Haney, Director, Office of Nuclear Material Safety and Safeguard  
Mr. Melvin Grey, Chief, NRC Division of Reactor Projects  
Mr. Paul Eddy, New York State Department of Public Service  
Mr. Chuck Nieder, NYS Department of Environmental Conservation  
Mr. Jason Martinez, American Nuclear Insurers  
Mr. Francis J. Murray, President and CEO, NYSERDA (w/o enclosure)

**ENCLOSURE 1 TO NL-11-037**

**Annual Environmental Protection Plan  
Report**

**ENTERGY NUCLEAR OPERATIONS, INC.  
INDIAN POINT UNIT 1, 2, and 3 NUCLEAR POWER PLANTS  
DOCKET Nos. 50-03, 50-247, and 50-286**

Annual Environmental Protection Plan Report  
For the 2010 Calendar Year Pursuant to  
Appendix B to Facility Licenses  
Indian Point Unit Nos. 1, 2, and 3

Subsection 5.4.1 of Appendix B to the Nuclear Regulatory Commission Facility Operating Licenses for Indian Point Units 1, 2, (issued April 24, 1981) and 3 (issued May 26, 1981), requires that an Annual Environmental Protection Plan Report (the "Report") describing implementation of the facilities' Environmental Protection Plan (the "EPP") for the previous year be submitted to the NRC prior to May 1 of each year. This Report is for the 2010 calendar year.

Subsection 5.4.1 of Appendix B specifies that the Report shall include summaries and analyses of the results of any EPP activities (environmental monitoring) required by Subsection 4.2 of the EPP for the reporting period.

Response:

Subsection 4.2 specifies that no environmental monitoring is required. No adverse trends indicating damage to the environment, from non-radiological discharges, have been reported to the New York State Department of Environmental Conservation during the reporting period.

Subsection 5.4.1 of Appendix B also specifies the Report shall include:

- A. A list of EPP noncompliance's during calendar year 2010 and the corrective actions taken to remedy them.

Response:

During the calendar year 2010, there were no EPP noncompliances.

- B. A list of all changes in station design or operation, tests, and experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental issue at Indian Point Units 1, 2, and 3 during calendar year 2010.

Response:

During the calendar year 2010, there were no changes in station design or operation, tests, and experiments, which involved a potentially significant unreviewed environmental issue at Indian Point Units 1, 2, or 3.

C. A list of non-routine reports submitted in accordance with Subsection 5.4.2.

Response:

During calendar year 2010, Indian Point Units 2 and 3 submitted one non-routine report. It contained additional information regarding the November 7, 2010 transformer failure and subsequent release of oil to the discharge canal and river, and was provided at the request of DEC.

| <u>Recipient</u>   | <u>Transmitter</u>   | <u>Date</u> |
|--|--|-------------|
| New York State DEC<br>Region 3 – White Plains Office<br>100 Hillside Avenue, Suite 1W<br>White Plains, NY 10603-0323 | Anthony Vitale<br>General Manager, Plant<br>Operations<br>Entergy Nuclear Indian Point<br>450 Broadway, Suite 1 P.O.<br>Box 249<br>Buchanan, NY 10511-0249 | 12/13/2010  |

D. A list of all reports submitted in accordance with the SPDES (State Pollution Discharge Elimination System) permit during 2010.

Response:

1. SPDES Permit

(a) Listed below are the recipient, transmitter and transmittal dates for the 2010 monthly Discharge Monitoring Reports which were submitted to the NYSDEC and other agencies pursuant to the SPDES permit for Indian Point Units 1, 2, and 3 (permit no. NY0004472).

| <u>Recipient</u>  | <u>Transmitter</u>   | <u>Date</u> |
|---|--|-------------|
| New York State DEC Bureau of<br>Water Compliance Programs<br>625 Broadway, 4 <sup>th</sup> Floor Albany, NY<br>12233-3506 | Anthony Vitale<br>General Manager, Plant<br>Operations<br>Entergy Nuclear Indian Point<br>450 Broadway, Suite 1 P.O.<br>Box 249<br>Buchanan, NY 10511-0249 | 2/22/10     |
|   |  | 3/20/10     |
|   |  | 4/26/10     |
|   |  | 5/20/10     |
|   |  | 6/23/10     |
|   |  | 7/27/10     |
|   |  | 8/19/10     |
|   |  | 9/16/10     |
|   |  | 10/26/10    |
|   |  | 11/25/10    |
| 12/15/10  |  |             |
| 1/17/11*  |  |             |
| New York State DEC<br>Region 3 - White Plains Office<br>100 Hillside Avenue, Suite 1W<br>White Plains, NY 10603-2860      | Anthony Vitale<br>General Manager, Plant<br>Operations<br>Entergy Nuclear Indian Point<br>450 Broadway, Suite 1 P.O.<br>Box 249<br>Buchanan, NY 10511-0249 | 2/22/10     |
|   |  | 3/20/10     |
|   |  | 4/26/10     |
|   |  | 5/20/10     |
|   |  | 6/23/10     |
|   |  | 7/27/10     |
|   |  | 8/19/10     |
|   |  | 9/16/10     |
|   |  | 10/26/10    |
|   |  | 11/25/10    |
| 12/15/10  |  |             |
| 1/17/11*  |  |             |

| <u>Recipient</u>  | <u>Transmitter</u>   | <u>Date</u>  |
|---|--|--|
| Mr. Howard Golub<br>Executive Director & Chief Engineer<br>Interstate Environmental<br>Commission<br>311 West 43rd. Street, Suite 201<br>New York, NY 10036 | Anthony Vitale<br>General Manager, Plant<br>Operations<br>Entergy Nuclear Indian Point<br>450 Broadway, Suite 1 P.O.<br>Box 249<br>Buchanan, NY 10511-0249 | 2/22/10<br>3/20/10<br>4/26/10<br>5/20/10<br>6/23/10<br>7/27/10<br>8/19/10<br>9/16/10<br>10/26/10<br>11/25/10<br>12/15/10<br>1/17/11* |
| Westchester County Health Dept<br>145 Huguenot Street, Fl. 8<br>New Rochelle, NY 10801-5216   | Anthony Vitale<br>General Manager, Plant<br>Operations<br>Entergy Nuclear Indian Point<br>450 Broadway, Suite 1 P.O.<br>Box 249<br>Buchanan, NY 10511-0249 | 2/22/10<br>3/20/10<br>4/26/10<br>5/20/10<br>6/23/10<br>7/27/10<br>8/19/10<br>9/16/10<br>10/26/10<br>11/25/10<br>12/15/10<br>1/17/11* |

\* December 2010 Report

- (b) Listed below are the recipients, transmitters and transmittal dates for the Indian Point Units 1, 2 and 3 operating data (daily electrical generations, circulating water flows, and intake and discharge circulating water temperatures) reports for calendar year 2010.

| <u>Recipient</u>   | <u>Transmitter</u>   | <u>Date</u> |
|--|--|-------------|
| NYSDEC - Division of Water<br>625 Broadway, 4 <sup>th</sup> Floor<br>Albany, NY 12233-3506                         | Anthony Vitale   | 4/26/10     |
|  | General Manager, Plant   | 7/27/10     |
|  | Operations   | 10/26/10    |
|  | Entergy Nuclear Indian Point<br>450 Broadway, Suite 1 P.O.<br>Box 249<br>Buchanan, NY 10511-0249 | 1/17/11*    |
| New York State DEC<br>Regional Engineer - Region 3<br>100 Hillside Avenue, Suite 1W<br>White Plains, NY 10601-2860 | Anthony Vitale   | 4/26/10     |
|  | General Manager, Plant   | 7/27/10     |
|  | Operations   | 10/26/10    |
|  | Entergy Nuclear Indian Point<br>450 Broadway, Suite 1 P.O.<br>Box 249<br>Buchanan, NY 10511-0249 | 1/17/11*    |

\* Fourth Quarter 2010 Report