



Entergy Nuclear Northeast
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Fred Dacimo
Vice President
Operations License Renewal

June 29, 2011

NL-11-078

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

SUBJECT: License Renewal Thermal Study Documents
Indian Point Unit Numbers 2 and 3
Docket Nos. 50-247 and 50-286
License Nos. DPR-26 and DPR-64

Dear Sir or Madam:

Entergy Nuclear Operations, Inc. (Entergy) has developed and submitted to the New York State Department of Environmental Conservation (NYSDEC) a number of thermal modeling studies as part of the Indian Point Nuclear Generating Units 2 and 3 (IP2 and IP3) Section 401 Water Quality Certification and State Pollutant Discharge Elimination System (SPDES) Permit Proceedings. This information recently allowed NYSDEC staff's to confirm that there is reasonable assurance that IP2 and IP3 operations will comply with thermal water quality standards. To ensure that the U.S. Nuclear Regulatory Commission (NRC) has a complete record, Entergy is hereby providing copies of reports and correspondence that were not previously transmitted to the NRC. See Enclosures 1 to 6.

Additional documents submitted to the NYSDEC were copied to Mr. Andrew Stuyvenberg, NRC License Renewal Environmental Project Manager, and are not being submitted (for those documents which are on the NYSDEC website the link to the NYSDEC website is noted):

1. WQC Application (April 3, 2009) -
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/wqccvrltr.pdf
2. Entergy Correspondence to NYSDEC Regarding Thermal Study Protocol (June 12, 2009). http://www.dec.ny.gov/docs/permits_ej_operations_pdf/entergyltr609.pdf
3. DEC Response to Entergy Correspondence Regarding Thermal Study (July 3, 2009).
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/iprfithermal7309.pdf
4. Response to NYSDEC Comments on Tri-Axial Thermal Study Protocol for the Indian Point Unit 2 and 3 Discharge (11/3/09)
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/triaxialrsp1109.pdf

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5. DEC Response to Entergy's 11/3/09 Letter on Thermal Study (December 4, 2009)
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/decresptherm1209.pdf
6. Preliminary Analysis of Hudson River Thermal Data (2/10/10) -- Prepared by ASA and submitted as Exhibit K to NYSDEC's Request for Information on Entergy WQC Application
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/elecbsdrexhi-k.pdf
7. Hydrothermal Modeling of the Cooling Water Discharge from the Indian Point Energy Center to the Hudson River (March 22, 2010).
8. Response to NYSDEC WQC s.401 Water Quality Certification Notice of Denial Related to Thermal Discharges at Indian Point (April 29, 2010) -- Prepared by ASA and submitted as attachment B to Entergy Request for Adjudicatory Hearing
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/ipltrreqhrq.pdf;
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/ipwqcrespasaresp.pdf

Should you have any questions regarding this matter, please contact Dara Gray at (914) 736-8414.

Sincerely



FRD/sp

- Enclosures:
1. 2010 Field Program and Modeling Analysis of the Cooling Water Discharge from the Indian Point Entergy Center (January 31, 2011).
 2. 2010 Field Program and Modeling Analysis of the Cooling Water Discharge from the Indian Point Entergy Center - Appendices (January 31, 2011).
 3. Part 1 of Response to the NYSDEC Staff Review of the 2010 Field Program and Modeling Analysis of the Cooling Water Discharge from the Indian Point Entergy Center (March 29, 2011).
 4. Part 2 of Response to the NYSDEC Staff Review of the 2010 Field Program and Modeling Analysis of the Cooling Water Discharge from the Indian Point Entergy Center (March 31, 2011).
 5. Alternative Mixing Zone Explanation (May 3, 2011).
 6. NYSDEC Letter (May 16, 2011).

cc: Mr. William Dean, Regional Administrator, NRC Region 1
Mr. John P. Boska, Senior Project Manager, NRC NRR DORL
Mr. Sherwin Turk, Office of General Council, NRC w/o enclosure
Mr. Andrew Stuyvenberg, License Renewal Environmental Project Manager, NRC
NRC Senior Resident Inspectors

ENCLOSURE 1 TO NL-11-078

2010 FIELD PROGRAM AND MODELING ANALYSIS OF THE COOLING WATER
DISCHARGE FROM THE INDIAN POINT ENTERGY CENTER (JANUARY 31, 2011)

ENTERGY NUCLEAR OPERATIONS, INC.
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 2 and 3
DOCKET NOS. 50-247 and 50-286