

November 8, 2007

LICENSEE: Entergy Nuclear Operations, Inc.

FACILITY: Indian Point Nuclear Generating Unit Nos. 2 and 3

SUBJECT: SUMMARY OF SITE AUDIT RELATED TO THE REVIEW OF THE LICENSE
RENEWAL APPLICATION FOR INDIAN POINT NUCLEAR GENERATING UNIT
NOS. 2 AND 3

From September 10-13, 2007, and September 24-27, 2007, a review team consisting of the U.S. Nuclear Regulatory Commission (NRC) staff and contractors from Earthtech and Pacific Northwest National Laboratory (PNNL), participated in a site audit at the Indian Point Nuclear Generating Unit Nos. 2 and 3 (Indian Point) related to the environmental review of the Indian Point license renewal application (LRA). The primary goal of the site audit was to review documentation, gather information to ensure that environmental requirements of license renewal as codified in Title 10 of the *Code of Federal Regulations* Part 51 (10 CFR Part 51) are met, and to interface with officials in Federal, State and local government agencies to obtain related information.

Enclosure 1 is a list of NRC, PNNL, State of New York, Federal agency and Entergy Nuclear Operations, Inc. (Entergy) representatives who participated in the site audit. Enclosure 2 is a table of documents requested by the NRC to assist the staff in its review of the Indian Point Environmental Report.

On the opening Monday of both portions of the audit, the environmental review teams participated in general site tours of the Indian Point site with Entergy staff. The general site tours focused on areas relevant to the environmental review, including the intake structure, discharge canal, water sampling locations, groundwater monitoring sites, site structures, and the site environs. During the remainder of both portions of the site audit, the team members examined the data used by Entergy in preparation of the Environmental Report, met with local government officials and met with Entergy representatives with corresponding environmental expertise in smaller groups.

These groups participated in various activities, including tours off-site, environmental sampling locations, the intake structures, and the discharge canal. During a boat tour, team members examined the intake structure, the discharge canal, the riverine areas upstream and downstream of Indian Point, and other electric generating stations. Team members met onsite with officials from the New York Department of Environmental Conservation, New York Department of State, and with a representative of the National Marine Fisheries Service. Additionally, team members met offsite with non-governmental organizations, and State officials in Albany, New York. Information gathered through these offsite meetings will assist the environmental review team in its evaluation. Entergy representatives and its contractors provided a brief presentation on its on-going studies associated with groundwater and aquatic resources.

At the conclusion of both portions of the site audit, the NRC staff and its contractors summarized the status of the review with Entergy representatives. NRC indicated that additional information will be needed to evaluate the Environmental Report (Enclosure 2).

The NRC staff indicated that, with the exception of items listed in Enclosure 2, the review team did not identify any significant issues during its site visit or during offsite visits with Federal, State, and local agencies. However, the NRC staff further indicated that the review was ongoing and that any additional information necessary to support the review would be formally requested as a request for additional information.

/RA/

Jill S. Caverly, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-247 and 50-286

Enclosures:
As stated

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/RA/

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Enclosures:
As stated

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DATE	11/02/07	11/06/07	11/06/07	11/08/07

**LIST OF ON-SITE PARTICIPANTS FOR
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 1 AND 2
ENVIRONMENTAL SITE AUDIT
SEPTEMBER 10-14, 2007 AND SEPTEMBER 24-27, 2007**

PARTICIPANT

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Dennis Beissel	NRC
Jenny Davis	NRC
Dennis Logan	NRC
Harriet Nash	NRC
Elizabeth Wexler	NRC
Jeff Rikoff	NRC
Andrew Steyvenberg	NRC
Steve Klemenowiccz	NRC
Bobbie Hurley	Earthtech
Nicole Spangle	Earthtech
Steve Duda	Earthtech
Jeff Ward	Pacific Northwest National Laboratory (PNNL)
Lance Vail	PNNL
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Larry Wilson	NYDEC
Tim Rice	NYDEC
Larry Rosenmann	NYDEC
Arthur Crawford	NYDEC
Pat Scida	National Marine Fisheries Service
Andrew Kasius	New York Department of State (NYDS)
Jeff Zappieri	NYDS
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Mike Krumland	Nebraska Public Power District
Paul Jacobson	Alion Science and Technology
Rich Gallagher	Dominion

**ADDITIONAL INFORMATION NEEDS IDENTIFIED AT
INDIAN POINT NUCLEAR GENERATING UNIT NOS. 1 AND 2
ENVIRONMENTAL SITE AUDIT
SEPTEMBER 10-14, 2007 AND SEPTEMBER 24-27, 2007**

Additional Information Needs Identified During Audit 9/10/07 – 9/13/07& 9/24-26	
1	A copy of the Indian Point Site Audit Information Needs addressed at site audit.
2	Discharge Monitoring Reports.
3	An electronic version of site maps. Enercon Services, Inc., Site Exclusion Area and Features. Prefer CAD file, but PDF or equivalent is okay.
4	ESSA Reports as cited in the FEIS.
5	Quarterly SPDES reports
6	Map of well locations
7	Occupational Exposure Report for 2006
8	Excerpts from Annual Fleet Reports to documenting thermal non-exceedences
9	Entergy Nuclear Review of New & Significant Information for IP 2 & 3
10	Slide Presentations: “Hudson River Fish Populations and Communities: a 30-year Perspective” (modify this presentation to include units on the graphs), “Sampling Design Overview for IP NRC Briefing”, and “SPDES History”.
11	When available: Barnhouse, et al, 2007. <i>Adverse Environmental Impact Report</i> .
12	Environmental Review for Spent Fuel Storage Area
13	Memorandum in support of state respondents’ motion to consolidate and dismiss petitions
14	When available: GZA’s Final Report
15	Documentation that IP will conduct triaxial thermal study
16	Supporting information pertaining to the Hudson River Studies conducted by the applicant
17	Impingement Data (at a minimum data from units 2 & 3; 1975-1980; 1981-1990)
18	Supplemental Ristroph studies from 1985 and 1985-1991
19	Entrainment Abundance Data 1981, 1983, 1985-1987
20	Entrainment Survival Studies (1979, 1980, 1988)
21	Met Data Summary Report for 2006
22	Entergy Nuclear Waste Minimization Plan
23	Explanation of Balmville Limestone versus Inwood Marble
24	Program to ensure no electromagnetic shock issues going forward.
25	Electromagnetic fields – Acute Effects – Provide information on induced shocked studies (include calculation reference). Provide information on periodic verification

Memo to Entergy Nuclear Operations, Inc. from J. Caverly dated November 8, 2007

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NOS. 2 AND 3

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