



Entergy Nuclear Northeast  
Indian Point Energy Center  
450 Broadway, GSB  
P.O. Box 249  
Buchanan, NY 10511-0249  
Tel 914 734 6700

Fred Dacimo  
Site Vice President  
Administration

January 15, 2007

Re: Indian Point Units 2 and 3  
Docket Nos. 50-247 and 50-286  
NL-07-007

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Mail Stop O-P1-17  
Washington, DC 20555-0001

Subject: Entergy Response to Notification of Degraded Performance of Siren 252 Located in Rockland County

Reference: 1. NRC letter, J. Boska to M. R. Kansler, "Indian Point Nuclear Generating Unit Nos. 2 and 3 – Notification of Degraded Performance of Siren 252 Located in Rockland County", dated November 2, 2006.

Reference: 2. Report on Indian Point Energy Center (IPEC) Investigation of Concerned Individual (CI) Allegations Related to the Performance of Siren 252 Located in Rockland County, by the CABEZON Group dated September 15, 2006.

Reference: 3. Wyle Laboratories Siren Sound Output Test dated December 15, 2006.

Dear Sir or Madam:

This letter provides Entergy Nuclear Operations, Inc. (Entergy) response to your request in Reference 1 for corrective actions associated with the potentially degraded performance of siren 252 contained in the CABEZON Group Report (Reference 2). The CABEZON report summarized that Siren 252 has significant degradation based on siren sound measurements performed on September 13, 2006.

To address the concern associated with the potentially degraded siren, Entergy determined the best course of action was to independently verify the sound output per the guidance provided in FEMA Guide CPG-1-17, March 1980 and American National Standard on Acoustics ANSI S12.14-1992. In part, CPG-1-17 states that all audible outdoor warning devices are rated in terms of their sound output at 100 ft in C-weighted sound levels (dB (C)). This document further discusses the attenuation caused by ground effects. ANSI-S12.14 Section 5.2 provides specific guidance for establishing measurement positions. In part the guidance states that a base line measurement position shall be selected 100 +/- 5 ft horizontally from the center of the source and at a point that is within 5 feet of the horizontal axis of a horn (i.e., siren) or other sound output opening of the source.

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Entergy contracted Wyle Laboratories to perform the independent test and measurements to determine the performance of Siren 252. During the most recent full siren test on November 29, 2006, sound level measurements were performed at a distance of 100 feet from siren R-252, at an approximate center line elevation of the siren, 54'6". The sound level monitoring instrumentation used was compliant with ANSI S1.4-1983 specifications and was calibrated prior to and following the siren activation. The weather conditions were acceptable for testing. The siren was activated between 10:30 and 10:34 AM. Thirteen cycles were recorded during that interval, with the highest one-second average C-weighted sound levels from 121.5 to 122.5 dBC, with average value of the thirteen peaks being 122.0 dBC.

The CABEZON report described the measurement locations of the Siren R-252 test performed on September 13, 2006 at 200-foot and 3200-foot distances from the siren at unspecified elevations. Based on the data presented in the CABEZON Report, the siren output was described as degraded by approximately 10 dBC compared to the previously tested outdoor sound output of 122 dBC at 100 feet.

The measurements performed for Entergy by Wyle Laboratories for Siren R-252 during the full-volume test on November 29, 2006 were conducted at a standard 100-foot distance from the siren on its axes, in accordance with the FEMA guidelines as stated above. These direct measurements determined that the maximum sound level of Siren 252 was 122 dBC.

Entergy has concluded that the performance of Siren R-252 is acceptable and the results of the recent testing on November 29, 2006 are consistent with the original test results performed by an independent laboratory for Con Edison and the New York Power Authority and submitted by letter dated May 8, 1985 to Federal Emergency Management Agency (FEMA), as cited in the CABAZON report. The latest test results show that the siren performance has not degraded and that no further corrective actions or extent of condition review are required.

There are no commitments contained in this letter. Should you or your staff have any questions regarding this matter, please contact Mr. Patric W. Conroy, Manager, Licensing, Indian Point Energy Center at (914) 734-6668.

Very truly yours,



Fred R. Dacimo  
Site Vice President  
Indian Point Energy Center

cc:

Mr. Samuel J. Collins, Regional Administrator, Region I

Mr. John Boska, NRR Senior Project Manager

IPEC NRC Resident Inspector's Office

Mr. Paul Eddy, New York State Department of Public Service