



Indian Point Energy Center  
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Tel (914) 734-6700

**Fred Dacimo**  
Vice President License Renewal

May 21, 2008  
Indian Point Unit Nos. 2 and 3  
Docket Nos. 50-247 & 50-286  
NL-08-085

Mr. Andrew Feeney  
First Deputy Director  
New York State Emergency Management Office  
1220 Washington Avenue  
Public Security Building 22  
Albany, New York 12226-2251

Subject: Indian Point Energy Center Siren System Far Field Acoustic Testing Report

Reference: 1. Entergy letter (NL-08-026), Alert and Notification System Far Field Measurement Methodology, Fred Dacimo to Andrew Feeney, dated February 7, 2008  
2. Entergy letter (NL-08-059), Alert and Notification System Final Design Report, Fred Dacimo to Andrew Feeney, dated April 28, 2008

Dear Mr. Feeney:

Enclosed for your review is the Far Field Acoustic Testing Report for the Indian Point Energy Center (IPEC) Alert and Notification System sirens in enclosure 1. This submittal is being provided in accordance with the IPEC siren project schedule. The Far Field Measurement Methodology was previously submitted by reference 1.

Enclosure 2 is an Entergy matrix of open issues that FEMA has brought to my staff's attention post design report submission. Each open issue has been addressed as listed on the attached matrix.

Revised and additional sections of the design report previously submitted by reference 2 are provided in enclosure 3. The revised design report sections reflect final siren locations and the incorporation of the most recent far field acoustic measurements.

AV45  
NSIR

Should you have any questions regarding this matter, please contact Mr. Michael J. Slobodien, Director Emergency Planning, Entergy at (914) 272-3352.

Sincerely yours,



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Fred R. Dacimo  
Vice President License Renewal  
Indian Point Energy Center

Enclosure 1: Indian Point Energy Center Siren System Far Field Acoustic Testing  
Report, April 2008

Enclosure 2: Matrix of FEMA Issues Post Design Report Submission

Enclosure 3: Revised/Additional Design Report Sections

cc: Document Control Desk (w/ Enclosure)  
U.S. Nuclear Regulatory Commission  
Mail Stop O-P1-17  
Washington, DC 20555-0001

Mr. Anthony Sutton (w/ Enclosure)  
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Mr. Samuel J. Collins (w/ Enclosure)  
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Indian Point Unit Nos. 2 and 3  
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Mr. Adam Stiebeling (w/ Enclosure)  
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REP Branch Chief  
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Mr. Stephen Kempf, Jr. (w/ Enclosure)  
Regional Administrator  
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Mr. Daniel Greeley (w/ Enclosure)  
Deputy Director  
Rockland County Fire and Emergency Services  
35 Fireman's Memorial Drive  
Pomona, New York 10970

Indian Point Energy Center Siren System Far Field Acoustic Testing Report

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Matrix of FEMA Issues Post Design Report Submission

SOURCE OF OPEN ISSUE	OPEN ISSUE	DISPOSITION
Email, Fuoto to Miele, 5/2/08	Direction and distance from far field measurement site to nearest siren	Provided in the BRRC Far Field Acoustic Testing Report (Enclosure 1).
Email, Fuoto to Grosjean, 5/4/08	Error on Siren Map – 2 sirens labeled 115	Corrected App. K map provided with this transmittal. Revised sound contour map (Enclosure 3) replaces current map in Appendix K in the Design Report.
Email, Fuoto to Grosjean, 5/5/08	Inquires about updated reliability data post 9/17/07 (Design Report App. H)	No additional data is available at this time.
Verbal, Gates to Grosjean, 5/6/08	Requests RF propagation map	RF Propagation map provided with this transmittal. RF propagation map (Enclosure 3) to be inserted as new Appendix L in the Design Report.
Email, Fuoto to Grosjean, 5/6/08	Requests spec sheet (cut sheet) on HPSS32/TH400. Carrying as open item in technical review.	Specification sheet provided with this transmittal. New specification sheet (Enclosure 3) to be added to Appendix F in the Design Report.
Email, Fuoto to Miele/Grosjean, 5/13/08	Specify barometric pressure used for atmospheric absorption in the ATI model.	ATI has confirmed that the standard barometric pressure of 1013.25 hpa is used in the model. The barometric pressure at each far field measurement location is identified in the BRRC Far Field Acoustic Testing Report (Enclosure 1).
Email, Fuoto to Grosjean, 5/13/08	Review Design Report Section 11 against NUREG-0654 and FEMA-REP-10.	Section 11 reviewed against NUREG-0654 and FEMA-REP-10 and revised for clarity. Revised Section 11 (Enclosure 3) replaces current Section 11 in the Design Report.
Email, Fuoto to Grosjean, 5/15/08	Map in Section 3 does not agree with Map in Appendix K.	EPZ Boundary on map in App. K did not match EPZ boundary on map in Section 3. Corrected App. K map provided with this transmittal. Revised sound contour map (Enclosure 3) replaces current map in Appendix K in the Design Report.

Revised/Additional Design Report Sections

**Distribution of Revisions to IPEC Alert and Notification Design Report  
 (May 21, 2008)**

Sections/maps/tabs are to be inserted into your copy of the IPEC Alert and Notification Design Report following the instructions listed below. The **TAB** notation indicates the section.

<b>REMOVE OLD SECTION</b>	<b>INSERT NEW SECTION</b>
Inside Cover Page (April, 2008)	Inside Cover Page (May, 2008)
Table of Contents	Table of Contents, Revision 1
<b>TAB 7 – Siren Characteristics</b>	
Section 7	Section 7, Revision 1
<b>TAB 8 – General System Overview</b>	
Section 8	Section 8, Revision 1
<b>TAB 11 – Acoustic Criteria of Siren System</b>	
Section 11	Section 11, Revision 1
<b>TAB 13 – Verification of ATI Siren Acoustic Computer Model</b>	
Section 13	Section 13, Revision 1
<b>TAB 14 – Acoustic Testing and Analysis</b>	
Section 14	Section 14, Revision 1
<b>TAB F – System Equipment Data</b>	
	Insert new HPSS32 Bi-Directional Siren Spec Sheet into Appendix
<b>TAB G – Supporting Documentation/References</b>	
Appendix G	Appendix G, Revision 1
<b>TAB K – Siren Coverage Within the EPZ of Indian Point Energy Center (Map)</b>	
Map	Insert revised Map
<b>NEW TAB L – RF Propagation Map</b>	
	Insert new Tab and new Map