



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I**  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

November 16, 2012

Mr. John Ventosa, Site Vice President  
Entergy Nuclear Operations, Inc.  
Indian Point Energy Center  
450 Broadway, GSB  
P.O. Box 249  
Buchanan, NY 10511-0249

**SUBJECT: INDIAN POINT NUCLEAR GENERATING UNITS 2 AND 3 – NRC EVALUATED  
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT NOS.  
05000247/2012503 AND 05000286/2012503**

Dear Mr. Ventosa:

On October 5, 2012, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the October 2, 2012, evaluated emergency preparedness exercise at your Indian Point Energy Center. The enclosed inspection report documents the inspection results, which were discussed on October 5, 2012, with Mr. Slobodien, Entergy Director of Emergency Programs, and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no findings were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's document system, Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

Anthony Dimitriadis  
Plant Support Branch 1  
Division of Reactor Safety

Docket Nos. 50-247, 50-286  
License Nos. DPR-26, DPR 64

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Sincerely,

*/RA/*

Anthony Dimitriadis  
 Plant Support Branch 1  
 Division of Reactor Safety

Docket Nos. 50-247, 50-286  
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DOCUMENT NAME: G:\DRS\Plant Support Branch 1\Barr\EP Ex12 IPEC\IPEC EP EX 2012 Report.docx  
 ADAMS ACCESSION NUMBER: ML12324A016

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OFFICE	RI/DRS	RI/DRP	RI/DRS		
NAME	SBarr/DE for	MGray	ADimitriadis		
DATE	11/15/12	11/15/12	11/16/12		

OFFICIAL RECORD COPY

J. Ventosa

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Enclosure:

NRC Inspection Report No. 05000247/2012503  
and 05000286/2012503

cc w/encl:

R. Thompson, RAC Chair, FEMA Region II

cc w/encl: Distribution via ListServ

Distribution w/encl: (via E-mail)

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R. Kahler, NSIR/EPD  
S. LaVie, NSIR/EPD

**U.S. NUCLEAR REGULATORY COMMISSION**

**REGION I**

Docket Nos.: 50-247, 50-286

License Nos.: DPR-26, DPR-64

Report No.: 05000247/2012503, 05000286/2012503

Licensee: Entergy Nuclear Northeast (Entergy)

Facility: Indian Point Nuclear Generating Units 2 and 3

Location: 450 Broadway, GSB  
Buchanan, NY 10511-0249

Dates: October 1-5, 2012

Inspectors: S. Barr, Sr. Emergency Preparedness Inspector, DRS, Region I (Lead)  
C. Crisden, Emergency Preparedness Inspector, DRS, Region I  
S. McCarver, Project Engineer, DRP, Region I  
B. Scrabeck, Project Engineer, DRP, Region I

Approved By: Anthony Dimitriadis, Chief  
Plant Support Branch 1  
Division of Reactor Safety

Enclosure

## SUMMARY OF FINDINGS

IR 05000247/2012503, 05000286/2012503; 10/1/2012 - 10/5/2012; Indian Point Units 2 and 3; Exercise Evaluation; Emergency Preparedness Performance Indicators.

This was an announced inspection conducted by four region-based inspectors. No findings were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 4, dated December 2006.

### **Cornerstone: Emergency Preparedness**

A. NRC-Identified and Self-Revealing Findings

No findings were identified.

B. Licensee-Identified Findings

None.

## REPORT DETAILS

### 1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP1 Exercise Evaluation (71114.01 – 1 Sample)

#### a. Inspection Scope

Prior to the October 2, 2012, emergency preparedness exercise, the NRC inspectors conducted an in-office review of the exercise objectives and scenario, which Entergy had submitted to the U.S. Nuclear Regulatory Commission (NRC), to determine if the exercise would test major elements of the Indian Point Energy Center Emergency Plan as required by Title 10 of the *Code of Federal Regulations* (10 CFR) 50.47(b)(14). This overall exercise inspection activity represented the completion of one sample on a biennial cycle.

The exercise evaluation consisted of the following review and assessment:

- The adequacy of Entergy's performance in the biennial full-participation exercise regarding the implementation of the risk-significant planning standards (RSPS) described in 10 CFR 50.47(b)(4), (5), (9), and (10), which are: emergency classification; offsite notification; radiological assessment; and protective action recommendations, respectively.
- The overall adequacy of Entergy's Indian Point emergency response facilities with regard to NUREG-0696, "Functional Criteria for Emergency Response Facilities," and Emergency Plan commitments. The facilities assessed were the Control Room Simulator, Technical Support Center (TSC), and Emergency Operations Facility (EOF).
- A review of other performance areas, such as: the licensee emergency response organization's (ERO's) recognition of abnormal plant conditions; command and control; intra- and inter-facility communications; prioritization of mitigating activities; utilization of repair and field monitoring teams; interface with offsite agencies; staffing and procedure adequacy; and the overall implementation of the emergency plan and its implementing procedures.
- A review of past performance issues from the last NRC Indian Point exercise inspection report and Entergy's EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the October 2, 2012, exercise and to ensure compliance with 10 CFR 50.47(b)(14).

Enclosure

- The licensee's post-exercise critiques, to evaluate Entergy's self-assessment of its ERO performance during the October 2, 2012, exercise and to ensure compliance with 10 CFR Part 50, Appendix E, Section IV.F.2.g.

The inspectors reviewed the documents listed in the attachment to this report.

b. Findings

No findings were identified.

**4. OTHER ACTIVITIES (OA)**

4OA1 Performance Indicator (PI) Verification (71151 – 3 Samples)

a. Inspection Scope

The inspectors reviewed data for the Indian Point EP PIs, which are: (1) Drill and Exercise Performance (DEP); (2) ERO Drill Participation; and, (3) Alert and Notification System (ANS) Reliability. The last NRC EP inspection at Indian Point was conducted in the third calendar quarter of 2011, so the inspectors reviewed supporting documentation from EP drills, training records, and equipment tests from the third calendar quarter of 2011 through the third quarter of 2012, to verify the accuracy of the reported PI data. The review of these PIs was conducted in accordance with NRC Inspection Procedure 71151, using the acceptance criteria documented in NEI 99-02, "Regulatory Assessment Performance Indicator Guidelines," Revision 6.

This inspection activity represented the completion of three samples.

b. Findings

No findings were identified.

4OA6 Meetings, including Exit

On October 5, 2012, the inspectors presented the results of this inspection to Mr. M. Slobodien, Entergy Director of Emergency Programs, and other members of the Entergy staff. No proprietary information was provided to the inspectors during this inspection.



**ATTACHMENT**

**SUPPLEMENTAL INFORMATION**

**KEY POINTS OF CONTACT**

**Licensee Personnel**

M. Slobodien, Entergy Director of Emergency Programs  
M. Miele, Manager, Emergency Preparedness

**LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED**

None.

**LIST OF DOCUMENTS REVIEWED**

**Section 1EP1: Exercise Evaluation**

Indian Point Energy Center Emergency Plan (Revision 11)  
Indian Point Energy Center Emergency Implementing Procedures  
Indian Point Energy Center Emergency Plan Administrative Procedures  
Indian Point October 2, 2012, Emergency Exercise Scenario Package  
Indian Point Emergency Preparedness Drill Reports, January 2011 – September 2012  
Indian Point Energy Center Emergency Preparedness Unit 2 FEMA/NRC Exercise October 2, 2012,  
Performance Report (Drill Number 2012-5)

**Section 4OA1: Performance Indicator Verification**

EN-EP-201, Performance Indicators (Revision 12)  
ERO Drill Participation PI Data, July 2011 – September 2012  
Public Notification System PI Data, July 2011 – September 2012  
DEP PI Data, July 2011 – September 2012

**LIST OF ACRONYMS**

ADAMS	Agencywide Documents Access and Management System
ANS	Alert Notification System
CR	Condition Report
DEP	Drill and Exercise Performance
EAL	Emergency Action Level
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
PAR	Protective Action Recommendation
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center