



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

October 18, 2010

Mr. Joseph E. Pollock
Site Vice President
Entergy Nuclear Operations, Inc.
Indian Point Energy Center
450 Broadway, GSB
Buchanan, NY 10511-0249

SUBJECT: INDIAN POINT NUCLEAR GENERATING UNITS 2 AND 3 – NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT NOS.
05000247/2010502 AND 05000286/2010502

Dear Mr. Pollock:

On September 17, 2010, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the September 14, 2010, evaluated emergency preparedness exercise at your Indian Point Energy Center. The enclosed inspection report documents the inspection results, which were discussed on September 17, 2010, 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 (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Trapp".

James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

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

Enclosure: NRC Inspection Report Nos. 05000247/2010502 and 05000286/2010502

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Sincerely,

/RA/

James M. Trapp, Chief
 Plant Support Branch 1
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SUNSI Review Complete: JMT (Reviewer's Initials)

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DATE	10/15/10	10/18/10	10/18/10				

*See Previous Concurrence Page

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J. Pollock

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cc w/encl:

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket Nos: 50-247, 50-286

License Nos: DPR-26, DPR-64

Report Nos: 05000247/2010502, 05000286/2010502

Licensee: Entergy Nuclear Northeast (Entergy)

Facility: Indian Point Nuclear Generating Units 2 and 3

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

Dates: September 13 – 17, 2010

Inspectors: S. Barr, Sr. Emergency Preparedness Inspector, DRS, Region I (Lead)
B. Fuller, Operations Engineer, DRS, Region I
M. Catts, Sr. Resident Inspector, DRP, Region I
O. Ayegbusi, Resident Inspector, DRP, Region I
S. LaVie, Sr. Emergency Preparedness Specialist, NSIR
J. Kratchman, Fire Protection Engineer, RES

Approved By: James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

SUMMARY OF FINDINGS

IR 05000247/2010502, 05000286/2010502; 09/13/2010-09/17/2010; Indian Point Units 2 and 3; Exercise Evaluation; Emergency Action Level and Emergency Plan Changes; Emergency Preparedness Performance Indicators.

This was an announced inspection conducted by two region-based inspectors, two resident inspectors and two headquarters-based inspectors. No findings of significance 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 September 14, 2010, emergency preparedness exercise, the NRC inspectors conducted an in-office review of the exercise objectives and scenario, which Entergy had submitted to the NRC, to determine if the exercise would test major elements of the Indian Point Energy Center Emergency Plan as required by 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 Indian Point 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 Indian Point EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the September 14, 2010, exercise and to ensure compliance with 10 CFR 50.47(b)(14).
- The licensee's post-exercise critiques, to evaluate Entergy's self-assessment of its ERO performance during the September 14, 2010, exercise and to ensure compliance with 10 CFR 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.

1EP4 Emergency Action Level (EAL) and Emergency Plan Changes (71114.04 – 1 Sample)

a. Inspection Scope

Since the last NRC inspection of this program area, in December 2009, Entergy implemented various revisions of the different sections of the Indian Point Emergency Plan. Entergy had determined that, in accordance with 10 CFR 50.54(q), any change made to the Plan, and its lower-tier implementing procedures, had not resulted in any decrease in effectiveness of the Plan, and that the revised Plan continued to meet the requirements of 10 CFR 50.47(b) and Appendix E to 10 CFR 50. The inspectors reviewed all Indian Point EAL changes made since December 2009, and conducted a sampling review of other Emergency Plan changes, including the changes to lower-tier emergency plan implementing procedures, to evaluate for any potential decreases in effectiveness of the Emergency Plan. However, this review was not documented in an NRC Safety Evaluation Report and does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

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) Emergency Response Organization (ERO) Drill Participation; and, (3) Alert and Notification System (ANS) Reliability. The last NRC EP inspection at Indian Point was conducted in the fourth calendar quarter of 2009, so the inspectors reviewed supporting documentation from EP drills, training records, and equipment tests from the fourth calendar quarter of 2009 through the second quarter of 2010, 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 September 17, 2010, the inspectors presented the results of this inspection to Mr. 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
B. Sullivan, Indian Point Energy Center Emergency Preparedness Manager

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

None.

LIST OF DOCUMENTS REVIEWED

Section 1EP1: Exercise Evaluation

Indian Point Energy Center Emergency Plan (Revision 09-01)
Indian Point Energy Center Emergency Implementing Procedures
Indian Point Energy Center Emergency Plan Administrative Procedures
Indian Point September 14, 2010, Emergency Exercise Scenario Package
Indian Point Emergency Preparedness Drill Reports, January 2009 – September 2010
Indian Point Energy Center Emergency Preparedness Unit 2 FEMA/NRC Exercise September 14, 2010, Performance Report (Drill Number 2010-5)

Section 1EP4: Emergency Action Level and Emergency Plan Changes

Indian Point Energy Center Emergency Plan (Revision 09-01)
EN-LI-100, Process Applicability Determination (Revision 9)
EN-LI-101, 10CFR50.59 Evaluation Program (Revision 5)
EN-LI-113, Licensing Basis Document Change Process (Revision 4)
EN-EP-305, Emergency Planning 10CFR50.54(q) Review Program (Revision 1)
EN-DC-115, Engineering Change Process (Revision 10)
Indian Point Energy Center 50.54(q) screenings and evaluations, December 2009 through September 2010

Section 4OA1: Performance Indicator Verification

EN-EP-201, Performance Indicators (Revision 10)
DEP PI data, October 2009 – June 2010
ERO Drill Participation PI data, October 2009 – June 2010
ANS Reliability PI data, October 2009 – June 2010

LIST OF ACRONYMS

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
FEMA	Federal Emergency Management Agency
IPEC	Indian Point Energy Center
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center