



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

December 3, 2015

Mr. Brian Sullivan
Site Vice President
Entergy Nuclear Northeast
James A. FitzPatrick Nuclear Power Plant
P. O. Box 110
Lycoming, NY 13093

SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT: NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT
05000333/2015502

Dear Mr. Sullivan:

On October 23, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the October 20, 2015, evaluated emergency preparedness exercise at your James A. FitzPatrick Nuclear Power Plant. The enclosed inspection report documents the inspection results, which were discussed on October 23, 2015, with you 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 Title 10 of the *Code of Federal Regulation* (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,

/RA/

Raymond R. McKinley, Chief
Plant Support Branch 1
Division of Reactor Safety

B. Sullivan

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Docket No.: 50-333
License No.: DPR-59

Enclosure:
NRC Inspection Report No. 05000333/2015502

cc w/encl: Distribution via ListServ
D. Musick, RAC Chair, FEMA Region II

Mr. Brian Sullivan
 Site Vice President
 Entergy Nuclear Northeast
 James A. FitzPatrick Nuclear Power Plant
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Sincerely,

/RA/

Raymond R. McKinley, Chief
 Plant Support Branch 1
 Division of Reactor Safety

DOCUMENT NAME: G:\DRS\Plant Support Branch 1\Barr\EP Ex15 NMP-Fitz\Fitzpatrick EP EX- HAB 2015 Report.docx
 ADAMS No.: ML15337A393

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OFFICIAL RECORD COPY

B. Sullivan

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Letter to Brian Sullivan from Raymond McKinley

SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT: NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT
05000333/2015502

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No.: 50-333

License No.: DPR-59

Report No.: 05000333/2015502

Licensee: Entergy Nuclear Operations, Inc. (Entergy)

Facility: James A. FitzPatrick Nuclear Power Plant

Location: Lycoming, New York

Dates: October 19 to 23, 2015

Inspectors: S. Barr, Senior Emergency Preparedness Inspector, Division of
Reactor Safety (DRS), Region I (Lead)
S. LaVie, Senior Emergency Preparedness Specialist, Division of
Preparedness and Response (DPR), Office of Nuclear Security
and Incident Response (NSIR)
P. Presby, Senior Operations Inspector, DRS, Region I
T. Dunn, Operations Inspector, DRS, Region I
J. DeBoer, Emergency Preparedness Inspector, DRS, Region I

Approved By: Raymond R. McKinley, Chief
Plant Support Branch 1
Division of Reactor Safety

SUMMARY OF FINDINGS

Inspection Report 05000333/2015502; 10/19 – 23/2015; James A. FitzPatrick Nuclear Power Plant (FitzPatrick); Exercise Evaluation – Hostile Action (HA) Event; Exercise Evaluation – Scenario Review; Performance Indicator Verification.

This was an announced inspection conducted by four Region I-based inspectors and one headquarters-based inspector. No findings were identified during the inspection. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 5.

Cornerstone: Emergency Preparedness

No findings were identified.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP7 Exercise Evaluation – Hostile Action Event (71114.07 – 1 Sample)

a. Inspection Scope

Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Appendix E, Section IV.F.2.j, requires in part that nuclear power reactor licensees, in each eight calendar year exercise cycle, provide the opportunity for their emergency response organization (ERO) to demonstrate proficiency in the key skills necessary to respond to a hostile action (HA) directed at the plant site. Entergy designed the October 20, 2015, FitzPatrick EP exercise to satisfy that requirement, and the U.S. Nuclear Regulatory Commission (NRC) inspected the FitzPatrick HA event exercise to assess Entergy's ability to effectively implement the FitzPatrick Emergency Plan during an HA event. 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 the Entergy FitzPatrick ERO'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; onsite protective actions, and public protective action recommendations, respectively.
- The overall adequacy of Entergy's FitzPatrick emergency response facilities with regard to Emergency Plan commitments. The facilities assessed were: the Control Room Simulator, the Alternative Facility, the Central Alarm Station (CAS), the local law enforcement Incident Command Post (ICP), and the Emergency Operations Facility (EOF).
- A review of other performance areas, such as: the Entergy FitzPatrick ERO's: recognition of abnormal plant conditions; command and control, including interactions with site security staff; intra- and inter-facility communications; prioritization of mitigating activities; utilization of repair and field monitoring teams; interface with offsite agencies, including local law enforcement agencies; staffing and procedure adequacy; and the overall implementation of the FitzPatrick Emergency Plan and its implementing procedures.
- A review of past performance issues from the last NRC FitzPatrick exercise inspection report and recent Entergy FitzPatrick EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the October 20, 2015, 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 FitzPatrick ERO performance during the October 20, 2015, 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.

1EP8 Exercise Evaluation – Scenario Review (71114.08 – 1 Sample)

a. Inspection Scope

Prior to the October 20, 2015, 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 FitzPatrick 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 inspectors reviewed the documents listed in the attachment to this report.

b. Findings

No findings were identified.

4. OTHER ACTIVITIES (OA)

4OA1 Performance Indicator Verification (71151 – 3 Samples)

a. Inspection Scope

The inspectors reviewed data for the FitzPatrick EP Performance Indicators (PI), which are: (1) Drill and Exercise Performance (DEP) (EP01); (2) ERO Drill Participation (EP02); and (3) Alert and Notification System (ANS) Reliability (EP03). The last NRC EP inspection at FitzPatrick was conducted in the third calendar quarter of 2014, so the inspectors reviewed supporting documentation from EP drills and tests from the third calendar quarter of 2014 through the third calendar quarter of 2015, 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 7.

This inspection activity represented the completion of three samples.

b. Findings

No findings were identified.

4OA6 Meetings, including Exit

On October 23, 2014, the inspectors presented the results of this inspection to Mr. B. Sullivan, FitzPatrick Site Vice President, and other members of the Entergy staff. The inspectors verified that no proprietary information was retained by the inspectors or documented in this report.

ATTACHMENT

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

B. Sullivan, FitzPatrick Site Vice President
M. Wilson, Entergy Emergency Planning Manager
J. Jones, FitzPatrick Emergency Planning Manager

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

None.

LIST OF DOCUMENTS REVIEWED

Section 1EP7: Exercise Evaluation – Hostile Action (HA) Event

James A. FitzPatrick Nuclear Power Plant Emergency Plan
IAP-2, Classification of Emergency Conditions, Revision 34
EAP-1.1, Offsite Notifications, Revision 71
EAP-14.8, Alternate TSC/OSC Activation and Operation, Revision 1
EN-EP-306, Drills and Exercises, Revision 6
EN-EP-307, Hostile Action Based Drills and Exercises, Revision 3
EN-EP-308, Emergency Planning Critiques, Revision 3
EN-EP-609, Emergency Operations Facility Operations, Revision 1
FitzPatrick Emergency Plan Implementing Procedures
FitzPatrick October 20, 2015, Emergency Exercise Scenario Package
FitzPatrick Emergency Preparedness Drill Reports, January 2014 - October 2015
JEP-15-0049, October 20, 2015, Exercise Report, dated November 6, 2015

Section 1EP8: Exercise Evaluation – Scenario Review

James A. FitzPatrick Nuclear Power Plant Emergency Plan
EN-EP-306, Drills and Exercises, Revision 6
EN-EP-307, Hostile Action Based Drills and Exercises, Revision 3
FitzPatrick October 20, 2015, Emergency Exercise Scenario Package

Section 40A1: Performance Indicator (PI) Verification

EN-FAP-EP-005, Fleet Administrative Procedure Emergency Preparedness Performance Indicators, Revision 0
EN-LI-114, Performance Indicator Process, Revision 6
ANS Reliability PI Data, July 2014 – September 2015
DEP PI Data, July 2014 – September 2015
ERO Drill Participation PI data, July 2014 – September 2015

LIST OF ACRONYMS

| | |
|-------|---|
| ADAMS | Agencywide Documents Access and Management System |
| ANS | Alert Notification System |
| CAS | Central Alarm Station |
| CFR | <i>Code of Federal Regulations</i> |
| DEP | Drill and Exercise Performance |
| EOF | Emergency Operations Facility |
| EP | Emergency Preparedness |
| ERO | Emergency Response Organization |
| HA | Hostile Action |
| ICP | Incident Command Post |
| NEI | Nuclear Energy Institute |
| NRC | Nuclear Regulatory Commission |
| PAR | Protective Action Recommendation |
| PI | Performance Indicator |
| RSPS | Risk Significant Planning Standard |