

June 20, 2002

Mr. Robert M. Bellamy
Site Vice President
Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, Massachusetts 02360-5599

SUBJECT: PILGRIM NUCLEAR POWER STATION - NRC EVALUATED EMERGENCY
PREPAREDNESS EXERCISE - INSPECTION REPORT NO. 50-293/02-005

Dear Mr. Bellamy:

The enclosed report documents an inspection at the Pilgrim Nuclear Power Station, which evaluated the performance of your emergency response organization during the May 22, 2002, full-participation exercise, the post-exercise critique, and the emergency preparedness performance indicators as specified in the reactor oversight program. The inspectors discussed the findings of this inspection with yourself and other members of your staff at the exit meeting on May 23, 2002.

This inspection was an examination of 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. Within these areas, the inspection consisted of a selected examination of procedures and representative records, observations of activities, and interviews with personnel.

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

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Should you have any questions regarding this report, please contact me at (610) 337-5183.

Sincerely,

/RA/

Richard J. Conte, Chief
Operational Safety Branch
Division of Reactor Safety

Docket No: 50-293
License No: DPR-35

Enclosure: Inspection Report No. 50-293/02-005

cc w/encl:

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The Honorable Therese Murray
The Honorable Vincent deMacedo
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U. S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No: 50-293

License No: DPR-35

Report No: 50-293/02-05

Licensee: Entergy Nuclear Generation Company

Facility: Pilgrim Nuclear Power Station

Dates: May 21 - 23, 2002

Inspectors: D. Silk, Senior Emergency Preparedness Inspector, DRS (Lead)
N. McNamara, Emergency Preparedness Inspector, DRS
F. P. Bonnett, Project Engineer, DRP
J. Furia, Senior Health Physicist, DRS

Approved by: Richard J. Conte, Chief
Operational Safety Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

IR 05000293/02-005; Entergy Nuclear Generating Company; 05/21-23/2002; Pilgrim Nuclear Power Station; Emergency Preparedness and Performance Indicator Verification.

This inspection was conducted by region based inspectors and the resident inspector. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

Cornerstone: Emergency Preparedness

- No findings of significance were identified.

Report Details

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP1 Exercise Evaluation

a. Inspection Scope

The inspectors reviewed and assessed:

- Exercise objectives and scenario to determine if the Pilgrim exercise would test major elements of the licensee's emergency plan as required by 10 CFR 50.47(b)(14).
- The licensee's biennial full-participation exercise performance by primarily focusing on the implementation of the risk-significant planning standards (RSPS) in 10 CFR 50.47 (b) (4), (5), (9) & (10) which are emergency classification, offsite notification, radiological assessment, and protective action recommendations (PARs), respectively.
- The overall adequacy of the licensee's emergency response facilities and their implementation of NUREG-0696, Functional Criteria for Emergency Response Facilities, and emergency plan commitments. The facilities assessed were the simulator control room (SCR), technical support center (TSC), the operations support center (OSC), the emergency operations facility (EOF), and the media center (MC).
- Other performance areas besides the RSPS, such as, the emergency response organization's (ERO) recognition of abnormal plant conditions, command and control, intra- and inter-facility communications, prioritization of mitigation activities, utilization of repair and field monitoring teams, interface with offsite agencies, and the overall implementation of the emergency plan and implementing procedures.
- Past performance issues from NRC inspection reports and licensee drill reports to determine effectiveness of corrective actions as demonstrated during this exercise to ensure compliance with 10CFR50.47(b)(14).
- The post-exercise critique to evaluate the licensee's self-assessment of their ERO performance during the exercise and to ensure compliance with 10CFR50 Appendix E.IV.F.2.g.

b. Findings

No findings of significance were identified.

1EP4 Emergency Action Level and Emergency Plan Changes

a. Inspection Scope

Prior to this exercise evaluation, an in-office inspection was conducted that reviewed recent changes to emergency preparedness documents (listed below). These changes were reviewed against 10 CFR 50.54(q) to ensure that the changes do not decrease the effectiveness of the plan, and that the changes as made continue to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E.

EPIP-IP-100, Emergency Classification and Notification, Revs 14, 15, 16, and 17
EP-IP-254, Communications Support, Rev 3

b. Findings

No findings of significance were identified.

4. **OTHER ACTIVITIES (OA)**

4OA1 Performance Indicator (PI) Verification

a. Inspection Scope

The inspectors reviewed the licensee's process for identifying the data that is utilized to determine the values for the three EP PIs:

- Drill and Exercise Performance
- ERO Drill Participation, and
- Alert and Notification System Reliability.

Since the EP PIs were last reviewed during an inspection in March 2001, this review assessed data and records from that time which included results from 2001 and the first quarter of 2002. Records included drill reports, documents generated during drills or exercises, attendance records, and siren testing documentation. The review was conducted on site in accordance with NRC Inspection Procedure 71151. The acceptance criteria are 10 CFR 50.9 and NEI 99-02, Revision 2, Regulation Assessment Performance Indicator Guideline.

b. Findings

No findings of significance were identified.

40A2 Identification and Resolution of Problems

a. Inspection Scope

The inspectors reviewed licensee findings (EP drill reports) for approximately the past year pertaining to drills, and the last licensee biennial exercise critique to determine if significant performance trends exist and to determine the effectiveness of licensee corrective actions based upon ERO performance during this exercise. The inspectors verified that issues identified during this exercise were documented in their Evaluated Exercise Report 02-04.

b. Findings

No findings of significance were identified.

40A6 Meetings, including Exit

The inspectors presented the inspection results to Mr. M. Bellamy, and other members of the licensee's staff at the conclusion of the inspection on May 23, 2002. The licensee had no objections to the NRC findings or observations. No proprietary information was provided to the inspectors during this inspection.

KEY POINTS OF CONTACT

Licensee

R. Bellamy, Site Vice President
P. Dietrich, General Manager Operations
B. Ford, Licensing Manager
E. Salomon, Senior Emergency Planner
M. Santiago, Training Manager
T. Sowdon, Pilgrim EP Manager
R. Weber, Exercise Coordinator

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

Discussed

None

LIST OF DOCUMENTS REVIEWED

EP-AD-150, Emergency Preparedness Performance Indicator Tracking Guideline

LIST OF ACRONYMS

EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
MC	Media Center
OSC	Operations Support Center
PAR	Protective Action Recommendation
RSPS	Risk Significant Planning Standard
SCR	Simulator Control Room
TSC	Technical Support Center