

March 2, 2005

Mr. Michael A. Balduzzi
Site Vice President
Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5508

SUBJECT: ANNUAL ASSESSMENT LETTER - PILGRIM NUCLEAR POWER STATION
(REPORT 05000293/2005001)

Dear Mr. Balduzzi:

On February 8, 2005, the NRC staff completed its end-of-cycle plant performance assessment of the Pilgrim Nuclear Power Station. The end-of-cycle review for Pilgrim involved the participation of the reactor technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, Pilgrim operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct only reactor oversight process (ROP) baseline inspections at your facility through September 30, 2006. However, we are still evaluating an unresolved item, that is described in Inspection Report 05000293/2004005, associated with a senior operator who was inattentive in the control room. When a decision is reached regarding this unresolved item, we may revise our assessment of Pilgrim's plant performance and our inspection plans.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (610-337-5227) with any questions you may have regarding this letter or the inspection plan.

Sincerely

/RA/

Clifford J. Anderson, Chief
Projects Branch 5
Division of Reactor Projects

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

Enclosure: Pilgrim Inspection/ Activity Plan

cc w/encl:

G. J. Taylor, Chief Executive Officer, Entergy Operations
M. Kansler, President, Entergy Nuclear Operations, Inc.
J. T. Herron, Senior Vice President and Chief Operating Officer
S. J. Bethay, Director, Nuclear Assessment
D. L. Pace, Vice President, Engineering
B. O'Grady, Vice President, Operations Support
J. F. McCann, Director, Nuclear Safety Assurance
C. D. Faison, Manager, Licensing
M. J. Colomb, Director of Oversight, Entergy Nuclear Operations, Inc.
D. Tarantino, Nuclear Information Manager
B. S. Ford, Manager, Licensing, Entergy Nuclear Operations, Inc.
J. M. Fulton, Assistant General Counsel, Entergy Nuclear Operations, Inc.
S. Lousteau, Treasury Department, Entergy Services, Inc.
R. Walker, Department of Public Health, Commonwealth of Massachusetts
The Honorable Therese Murray
The Honorable Vincent deMacedo
Chairman, Plymouth Board of Selectmen
Chairman, Duxbury Board of Selectmen
Chairman, Nuclear Matters Committee
Plymouth Civil Defense Director
D. O'Connor, Massachusetts Secretary of Energy Resources
J. Miller, Senior Issues Manager
Office of the Commissioner, Massachusetts Department of Environmental Protection
Office of the Attorney General, Commonwealth of Massachusetts

Electric Power Division, Commonwealth of Massachusetts

R. Shadis, New England Coalition Staff

D. Katz, Citizens Awareness Network

Chairman, Citizens Urging Responsible Energy

J. Sniezek, PWR SRC Consultant

R. Toole, PWR SRC Consultant

C. McCombs, Acting Director, MEMA and Commonwealth of Massachusetts, SLO Designee
Commonwealth of Massachusetts, Secretary of Public Safety

Mr. Michael A. Balduzzi

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Distribution w/encl:

S. Collins, RA

J. Wiggins, DRA

S. Lee, RI EDO Coordinator

C. Anderson, DRP

D. Florek, DRP

D. Roberts, NRR

L. Licata, PM, NRR

D. Collins, PM, NRR

W. Raymond, DRP, Senior Resident Inspector

C. Welch, DRP, Resident Inspector

A. Ford, DRP, Resident OA

Region I Docket Room (with concurrences)

ROPreports@nrc.gov (All IRs)

D. Screnci, PAO

N. Sheehan, PAO

DRS Director, Region 1

DRS Branch Chiefs

RidsNrrDipmlipb@nrc.gov

Institute of Nuclear Power Operations (INPO)

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SISP Review Complete: Cja (Reviewer's Initials)

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OFFICE	RI:DRP		RI:DRP		RI/DRP				
NAME	Florek		Anderson		Blough				
DATE	02/22/05		02/22/05		03/01/05				

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Pilgrim
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	71152B	- PROBLEM IDENTIFICATION AND RESOLUTION	4			
1	IP 71152B	Identification and Resolution of Problems		02/28/2005	03/04/2005	Baseline Inspections
	711108G	- INSERVICE INSPECTION	2			
1	IP 711108G	Inservice Inspection Activities - BWR		04/25/2005	04/29/2005	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/25/2005	04/29/2005	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/25/2005	04/29/2005	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		04/25/2005	04/29/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/25/2005	04/29/2005	Baseline Inspections
	71114	- EP PROGRAM & EP PI INSPECTION	1			
1	IP 7111402	Alert and Notification System Testing		06/13/2005	06/17/2005	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		06/13/2005	06/17/2005	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/13/2005	06/17/2005	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		06/13/2005	06/17/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/13/2005	06/17/2005	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/13/2005	06/17/2005	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		06/13/2005	06/17/2005	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		06/13/2005	06/17/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/13/2005	06/17/2005	Baseline Inspections
	MODS	- MODS & 50.59	3			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		06/20/2005	06/24/2005	Baseline Inspections
1	IP 711117B	Permanent Plant Modifications		06/20/2005	06/24/2005	Baseline Inspections
	711111B	- LICENSED OPERATOR REQUAL PROGRAM	3			
1	IP 711111B	Licensed Operator Requalification Program		09/12/2005	09/16/2005	Baseline Inspections
1	IP 711111B	Licensed Operator Requalification Program		09/19/2005	09/23/2005	Baseline Inspections
	711112B	- MAINTENANCE RULE	1			
1	IP 711112B	Maintenance Effectiveness		08/29/2005	09/02/2005	Baseline Inspections
	7112203	- PUB RAD SAFETY - REMP	1			
1	IP 7112203	Radiological Environmental Monitoring Program		09/12/2005	09/16/2005	Baseline Inspections
1	IP 71152	Identification and Resolution of Problems		09/12/2005	09/16/2005	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		11/07/2005	11/11/2005	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		11/07/2005	11/11/2005	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/07/2005	11/11/2005	Baseline Inspections

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Pilgrim
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	71121 - OCC RAD SAFETY		1			
1	IP 71151	Performance Indicator Verification		11/07/2005	11/11/2005	Baseline Inspections
	711107B - HEAT SINK		1			
1	IP 7111107B	Heat Sink Performance		02/06/2006	02/10/2006	Baseline Inspections
	71121 - OCC RADIATION SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		02/27/2006	03/03/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		02/27/2006	03/03/2006	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		02/27/2006	03/03/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		02/27/2006	03/03/2006	Baseline Inspections
	7112201 - PUB RAD SAFETY - RETS		1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		05/08/2006	05/12/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		05/08/2006	05/12/2006	Baseline Inspections
	TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION		3			
1	IP 7111105T	Fire Protection		07/24/2006	07/28/2006	Baseline Inspections
1	IP 7111105T	Fire Protection		08/07/2006	08/11/2006	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/21/2006	08/25/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/21/2006	08/25/2006	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/21/2006	08/25/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/21/2006	08/25/2006	Baseline Inspections