

August 30, 2004

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

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - PILGRIM
NUCLEAR POWER STATION

Dear Mr. Balduzzi:

On August 4, 2004, the NRC staff completed its mid-cycle plant performance assessment of the Pilgrim Nuclear Power Station. The mid-cycle review for Pilgrim involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 "Proprietary Information in accordance with 10 CFR 2.390(d)(1)" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter 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 March 31, 2006.

The enclosed inspection plan details the inspection, less those related to physical protection, scheduled through March 31, 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 twelve months of the inspection plan are tentative and may be revised at the end-of-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).

Mr. Michael A. Balduzzi

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If circumstances arise which cause us to change the 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:

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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
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J. Miller, Senior Issues Manager
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Pilgrim
Inspection / Activity Plan
07/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	End	Inspection Type
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/28/2004	07/02/2004	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		06/28/2004	07/02/2004	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		06/28/2004	07/02/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/28/2004	07/02/2004	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/02/2004	08/06/2004	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/02/2004	08/06/2004	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/02/2004	08/06/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/02/2004	08/06/2004	Baseline Inspections
	7112201	- PUB RAD SAFETY - RETS	1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/20/2004	09/24/2004	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		11/01/2004	11/05/2004	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		11/01/2004	11/05/2004	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/01/2004	11/05/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/01/2004	11/05/2004	Baseline Inspections
	7111121	- SSDI	7			
1	IP 7111121	Safety System Design and Performance Capability		11/15/2004	11/19/2004	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		11/29/2004	12/03/2004	Baseline Inspections
	7112202	- PUB RAD SAFETY - RADWASTE	1			
1	IP 7112202	Radioactive Material Processing and Transportation		11/29/2004	12/03/2004	Baseline Inspections
	71152B	- PROBLEM IDENTIFICATION AND RESOLUTION	4			
1	IP 71152B	Identification and Resolution of Problems		02/14/2005	02/18/2005	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		02/28/2005	03/04/2005	Baseline Inspections
	7111108G	- INSERVICE INSPECTION	2			
1	IP 7111108G	Inservice Inspection Activities - BWR		04/17/2005	04/21/2005	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/18/2005	04/22/2005	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/18/2005	04/22/2005	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		04/18/2005	04/22/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/18/2005	04/22/2005	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

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

Pilgrim
Inspection / Activity Plan
07/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	71114	- EP PROGRAM & EP PI INSPECTION	1			
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
	7111117B	- 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
	7111112B	- MAINTENANCE RULE	1			
1	IP 7111112B	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
	7111111B	- LO REQUAL VERIFICATION OF PASS RATE	2			
1	IP 7111111B	Licensed Operator Requalification Program		09/19/2005	09/23/2005	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
1	IP 71151	Performance Indicator Verification		11/07/2005	11/11/2005	Baseline Inspections
	HEATSINK	- HEAT SINK	2			
1	IP 7111107B	Heat Sink Performance		01/23/2006	01/27/2006	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

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