

March 2, 2004

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

SUBJECT: ANNUAL ASSESSMENT LETTER - PILGRIM NUCLEAR POWER STATION
(REPORT 05000293/2004001)

Dear Mr. Balduzzi:

On February 4, 2004, the NRC staff completed its end-of-cycle plant performance assessment of the Pilgrim Nuclear Power Station. The review involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2003. 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.

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, 2005.

The enclosed inspection plan details the inspections scheduled through September 30, 2005. 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 mid-cycle review meeting.

As you are aware, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness since the terrorist attacks on September 11, 2001. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2004, we plan to continue inspections of order implementation combined with newly developed portions of the security baseline inspection program.

Mr. Michael Balduzzi

2

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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 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. Taylor, Chief Executive Officer
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R. Walker, Department of Public Health, Commonwealth of Massachusetts
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The Honorable Vincent deMacedo
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Mr. Michael Balduzzi

4

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Pilgrim
Inspection / Activity Plan
01/01/2004 - 09/30/2005

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	711107B - HEAT SINK		2			
1	IP 711107B	Heat Sink Performance		01/26/2004	01/30/2004	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/22/2004	03/26/2004	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/22/2004	03/26/2004	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/22/2004	03/26/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		03/22/2004	03/26/2004	Baseline Inspections
	7111401 - EXERCISE EVALUATION & EP PI VERIFICATION		8			
1	IP 7111401	Exercise Evaluation		04/12/2004	04/16/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/12/2004	04/16/2004	Baseline Inspections
	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
	71130 - SECURITY		2			
1	IP 7113001	Access Authorization		07/19/2004	07/23/2004	Baseline Inspections
1	IP 7113002	Access Control		07/19/2004	07/23/2004	Baseline Inspections
1	IP 7113008	Fitness For Duty Program		07/19/2004	07/23/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/19/2004	07/23/2004	Baseline Inspections
	7112201 - PUB RAD SAFETY - RETS		1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/02/2004	08/06/2004	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/20/2004	09/24/2004	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/20/2004	09/24/2004	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/20/2004	09/24/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		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		6			
1	IP 7111121	Safety System Design and Performance Capability		11/15/2004	11/19/2004	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
01/01/2004 - 09/30/2005

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				Start	End	
	711121	- SSDI	6			
1	IP 711121	Safety System Design and Performance Capability		11/29/2004	12/03/2004	Baseline Inspections
	711202	- PUB RAD SAFETY - RADWASTE	1			
1	IP 711202	Radioactive Material Processing and Transportation		11/29/2004	12/03/2004	Baseline Inspections
	71152B	- PROBLEM IDENTIFICATION AND RESOLUTION	1			
1	IP 71152B	Identification and Resolution of Problems		01/24/2005	01/29/2005	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		02/07/2005	02/11/2005	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
	7111108G	- INSERVICE INSPECTION	2			
1	IP 7111108G	Inservice Inspection Activities - BWR		04/25/2005	04/29/2005	Baseline Inspections
	71114	- EP PROGRAM & EP PI INSPECTION	1			
1	IP 7111402	Alert and Notification System Testing		05/02/2005	05/06/2005	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		05/02/2005	05/06/2005	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		05/02/2005	05/06/2005	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		05/02/2005	05/06/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		05/02/2005	05/06/2005	Baseline Inspections
	711117B	- MODS & 50.59	1			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		05/09/2005	05/13/2005	Baseline Inspections
1	IP 711117B	Permanent Plant Modifications		05/09/2005	05/13/2005	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
	7112203	- PUB RAD SAFETY - REMP	1			
1	IP 7112203	Radiological Environmental Monitoring Program		08/22/2005	08/26/2005	Baseline Inspections
	711112B	- MAINTENANCE RULE	1			
1	IP 711112B	Maintenance Effectiveness		08/29/2005	09/02/2005	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/12/2005	09/16/2005	Baseline Inspections

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				Start	End	
	71121	- OCC RAD SAFETY	1			
1	IP 7112102	ALARA Planning and Controls		09/12/2005	09/16/2005	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/12/2005	09/16/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/12/2005	09/16/2005	Baseline Inspections
	711111B	- LO REQUAL VERIFICATION OF PASS RATE	2			
1	IP 711111B	Licensed Operator Requalification Program		09/19/2005	09/23/2005	Baseline Inspections