

August 30, 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: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - PILGRIM
NUCLEAR POWER STATION

Dear Mr. Balduzzi:

On August 3, 2005, the NRC staff completed its performance review of Pilgrim Nuclear Power Station for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed 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.

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.

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 currently plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

Additionally, on July 14, 2005, the staff issued a severity level III Notice of Violation in accordance with the NRC's Enforcement Policy. The NRC has concluded that information regarding the reason for the violation, the corrective actions taken and planned to correct the violation and prevent recurrence, and the date when full compliance was achieved are already adequately addressed on the docket in the letter transmitting the Notice of Violation (EA-05-039).

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through March 31, 2007. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well 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 end-of-cycle review.

Mr. Michael A. Balduzzi

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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 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 Nos. 50-293
License Nos. DPR-35

Enclosure: Pilgrim Inspection/ Activity Plan

cc w/encl:

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SISP Review Complete: CJA (Reviewer's Initials)

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Pilgrim
Inspection / Activity Plan
08/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	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 (REMP) And Radioactive Material Control P		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
1	IP 71151	Performance Indicator Verification		11/07/2005	11/11/2005	Baseline Inspections
	71121	- OCC RADIATION SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/30/2006	02/03/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		01/30/2006	02/03/2006	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/30/2006	02/03/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		01/30/2006	02/03/2006	Baseline Inspections
	7111107B	- HEAT SINK	1			
1	IP 7111107B	Heat Sink Performance		02/06/2006	02/10/2006	Baseline Inspections
	7111121	- SSD&PC	6			
1	IP 7111121	Safety System Design and Performance Capability		04/10/2006	04/14/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		04/24/2006	04/28/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		05/08/2006	05/12/2006	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		05/15/2006	05/19/2006	Baseline Inspections
	7112201	- PUB RAD SAFETY - RETS	1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/12/2006	06/16/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/12/2006	06/16/2006	Baseline Inspections
	TRI FIRE	- TRIENNIAL FIRE PROTECTION INSPECTION	3			
1	IP 7111105T	Fire Protection [Triennial]		07/24/2006	07/28/2006	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		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

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

Pilgrim
Inspection / Activity Plan
08/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	7112202 - PUB RAD SAFETY - RADWASTE		1			
1	IP 7112202	Radioactive Material Processing and Transportation		09/25/2006	09/29/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/25/2006	09/29/2006	Baseline Inspections
	7111401 - EXERCISE EVALUATION & EP PI VERIFICATION		5			
1	IP 7111401	Exercise Evaluation		10/23/2006	10/27/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/23/2006	10/27/2006	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		12/11/2006	12/15/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		12/11/2006	12/15/2006	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/11/2006	12/15/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		12/11/2006	12/15/2006	Baseline Inspections
	2/26 EXM - OPERATOR LICENSING INITIAL EXAMS		3			
1	U01637	PILGRIM INITIAL EXAM (FY07)		01/29/2007	02/02/2007	Not Applicable
1	U01637	PILGRIM INITIAL EXAM (FY07)		02/26/2007	03/01/2007	Not Applicable
	71121 - OCC RAD PROT		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		02/05/2007	02/09/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		02/05/2007	02/09/2007	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		02/05/2007	02/09/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		02/05/2007	02/09/2007	Baseline Inspections