



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

March 3, 2008

Mr. Kevin Bronson
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 05000293/2008001)**

Dear Mr. Bronson:

On February 14, 2008, the U.S. Nuclear Regulatory Commission (NRC) staff completed its performance review of the Pilgrim Nuclear Power Station (Pilgrim). Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2007. 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 security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone 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 for Pilgrim 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 reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2009. 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 mid-cycle review.

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 610-337-6967 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Raymond J. Powell, Chief
Projects Branch 5
Division of Reactor Projects

Docket Nos.: 50-293
License Nos.: DPR-35

Enclosure: Pilgrim Inspection/Activity Plan

cc w/encl:

Vice President, Operations, Entergy Nuclear Operations
Senior Vice President, Entergy Nuclear Operations
Vice President, Oversight, Entergy Nuclear Operations
Senior Manager, Nuclear Safety & Licensing, Entergy Nuclear Operations
Senior Vice President and COO, Entergy Nuclear Operations
Assistant General Counsel, Entergy Nuclear Operations
Director, Radiation Control Program, Commonwealth of Massachusetts
W. Irwin, Chief, CHP, Radiological Health, Vermont Department of Health
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
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D. Katz, Citizens Awareness Network
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M. Lyster, PWR SRC Consultant
J. Doering, PWR SRC Consultant
W. Meinert, Nuclear Engineer

K. Bronson

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cc w/encl:

J. Giarrusso, MEMA, SLO

Commonwealth of Massachusetts, Secretary of Public Safety

Institute of Nuclear Power

Pilgrim
Inspection / Activity Plan
01/01/2008 - 06/30/2009

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 7112101	Access Control to Radiologically Significant Areas		01/07/2008	01/11/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		01/07/2008	01/11/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		01/07/2008	01/11/2008	Baseline Inspections
	TI 171 - TI 171		4			
1	IP 2515/171	VERIFICATION OF SITE SPECIFIC IMPLEMENTATION OF B.5.B PHASE 2 & 3 MITIGATING STRATEGIES		02/25/2008	02/29/2008	Generic Safety Inspectio
	EP - EP EXERCISE EVALUATION		4			
1	IP 7111401	Exercise Evaluation		03/31/2008	04/04/2008	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/31/2008	04/04/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		03/31/2008	04/04/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		03/31/2008	04/04/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		03/31/2008	04/04/2008	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/07/2008	04/11/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/07/2008	04/11/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/07/2008	04/11/2008	Baseline Inspections
	7111121 - CDBI		7			
1	IP 7111121	Component Design Bases Inspection		04/28/2008	05/02/2008	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		05/12/2008	05/16/2008	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		05/19/2008	05/23/2008	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/02/2008	06/06/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		06/02/2008	06/06/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/02/2008	06/06/2008	Baseline Inspections
	7112201 - PUB RADSAFETY - RETS		1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/07/2008	07/11/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/07/2008	07/11/2008	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/11/2008	08/15/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/11/2008	08/15/2008	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/11/2008	08/15/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/11/2008	08/15/2008	Baseline Inspections
	7112103 - OCC RAD SAFETY - INSTRUMENTS		1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/20/2008	10/24/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/20/2008	10/24/2008	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
01/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	3/23 EXM	- INITIAL OPERATOR LICENSING EXAMS	4			
1	U01744	FY09 - PILGRIM INITIAL OPERATOR LICENSING EXAM		02/23/2009	02/27/2009	Not Applicable
1	U01744	FY09 - PILGRIM INITIAL OPERATOR LICENSING EXAM		03/23/2009	03/27/2009	Not Applicable
	71152B	- PI&R BIENNIAL TEAM	4			
1	IP 71152B	Identification and Resolution of Problems		02/09/2009	02/13/2009	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		02/23/2009	02/27/2009	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/30/2009	04/03/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/30/2009	04/03/2009	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/30/2009	04/03/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		03/30/2009	04/03/2009	Baseline Inspections
	7111108G	- INSERVICE INSPECTION	1			
1	IP 7111108G	Inservice Inspection Activities - BWR		04/27/2009	05/01/2009	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/04/2009	05/08/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		05/04/2009	05/08/2009	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/04/2009	05/08/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		05/04/2009	05/08/2009	Baseline Inspections

cc w/encl:

J. Giarrusso, MEMA, SLO
Commonwealth of Massachusetts, Secretary of Public Safety
Institute of Nuclear Power

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