



August 31, 2007

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

Mr. Kevin Bronson
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. Bronson:

On August 8, 2007, the NRC staff completed its performance review of Pilgrim Nuclear Power Station for the first half of the calendar year 2007 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 security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter of 2007 at 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 currently 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 December 31, 2008. 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.

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).

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As you may know, the NRC is currently evaluating the scope and frequency of all of the baseline inspection procedures. If the results of the evaluation, or any other circumstances, 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:

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
M. Lyster, PWR SRC Consultant
J. Doering, PWR SRC Consultant
W. Meinert, Nuclear Engineer
J. Giarrusso, MEMA, SLO
Commonwealth of Massachusetts, Secretary of Public Safety
Institute of Nuclear Power Operations (INPO)

K. Bronson

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SUNSI Review Complete: BSN (Reviewer's Initials)

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OFFICE	RI/DRP	RI/DRP	RI/DRP
NAME	NSieller/BSN FOR	BNorris/BSN	RPowell/RJP
DATE	08/30/07	08/30/07	08/31/07

OFFICIAL RECORD COPY

Letter to Kevin Bronson from Raymond J. Powell dated August 31, 2007

Distribution w/encl: (via E-mail)

S. Collins, RA
M. Dapas, DRA
D. Lew, DRP
J. Clifford, DRP
M. Cox, RI OEDO
J. Thompson, NRR
R. Powell, DRP
B. Norris, DRP
N. Sieller, DRP
M. Gamberoni, DRS
D. Roberts, DRS
J. Trapp, DRS
J. Rogge, DRS
M. Sykes, DRS
J. White, DRS
L. Doerflein, DRS
R. Conte, DRS
L. Scholl, DRS

P. Frechette, DRS
D. Silk, DRS
D. Screnci, PAO
N. Sheehan, PAO
R. Barkley, ORA
D. Holody, ORA
M. Kowal, NRR
J. Kim, PM, NRR
J. Boska, NRR
J. Lubinski, NRR
S. Schneider, DRP, Senior Resident Inspector
C. Welch, DRP, Resident Inspector
A. Ford, DRP, Resident OA
Region I Docket Room (with concurrences)
RidsNrrDirslpab@nrc.gov
ROPreports@nrc.gov

Pilgrim
Inspection / Activity Plan
07/01/2007 - 12/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	71114	- EP PRGM INSP	1			
1	IP 7111402	Alert and Notification System Testing		07/15/2007	07/20/2007	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		07/15/2007	07/20/2007	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/15/2007	07/20/2007	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		07/15/2007	07/20/2007	Baseline Inspections
1	IP 71151-EP01	Drill/Exercise Performance		07/15/2007	07/20/2007	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		07/15/2007	07/20/2007	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		07/15/2007	07/20/2007	Baseline Inspections
	711111B	- LOR INSP + P/F REVIEW	3			
1	IP 711111B	Licensed Operator Requalification Program		09/10/2007	09/14/2007	Baseline Inspections
1	IP 711111B	Licensed Operator Requalification Program		09/18/2007	09/21/2007	Baseline Inspections
	71111.12	- MAINTENANCE RULE	1			
1	IP 7111112B	Maintenance Effectiveness		07/23/2007	07/27/2007	Baseline Inspections
	71121	- OCC RAD PROT	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/13/2007	08/17/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/13/2007	08/17/2007	Baseline Inspections
	MODS	- MODS AND 50.59	4			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		08/20/2007	08/24/2007	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		08/20/2007	08/24/2007	Baseline Inspections
	7112203	- PUB RAD SAFETY - REMP	1			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		08/27/2007	08/31/2007	Baseline Inspections
	7112103	- OCC RAD SAFETY - INSTRUMENTS	1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/15/2007	10/19/2007	Baseline Inspections
	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
	7111107B	- HEAT SINK	1			
1	IP 7111107B	Heat Sink Performance		02/25/2008	02/29/2008	Baseline Inspections
	EP	- EP EXERCISE EVALUATION	4			
1	IP 7111401	Exercise Evaluation		03/31/2008	04/04/2008	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/31/2008	04/04/2008	Baseline Inspections
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

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

Pilgrim
Inspection / Activity Plan
07/01/2007 - 12/31/2008

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		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	6			
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