

March 1, 2002

Mr. Robert M. Bellamy
Site Vice President
Entergy Nuclear Generation Company
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, Massachusetts 02360-5599

SUBJECT: ANNUAL ASSESSMENT LETTER - PILGRIM NUCLEAR POWER STATION
(REPORT 50-293/02-001)

Dear Mr. Bellamy:

On January 30, 2002, the NRC staff completed its end-of-cycle plant performance assessment of the Pilgrim Nuclear Power Station. The end-of-cycle review for Pilgrim Nuclear Power Station involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from April 1 through December 31, 2001. 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 which may conflict with your plant activities.

As discussed in our previous annual assessment letter dated May 30, 2001, this inspection and assessment cycle consisted of three quarters (i.e., the second, third, and fourth calendar quarters of calendar year 2001) instead of the usual four quarters. This change was implemented in order to align the inspection and assessment cycle with the calendar year beginning on January 1, 2002.

Overall, Pilgrim Nuclear Power Station 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 two 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 baseline inspections at your facility through March 31, 2003.

Immediately following the terrorist attacks on the World Trade Center and the Pentagon, the NRC issued safeguards advisories recommending that nuclear power plant licensees go to the highest level of security, and all promptly did so. With continued uncertainty about the possibility of additional terrorist activities, the Nation's nuclear power plants, including Pilgrim Nuclear Power Station, remain at a high level of security. On February 25, 2002, the NRC issued an Order to all nuclear power plant licensees, requiring them to take certain additional interim compensatory measures to address the generalized high-level threat environment. These additional compensatory requirements will provide the NRC with reasonable assurance that public health

and safety and the common defense and security continue to be adequately protected in the current generalized high-level threat environment. These requirements will remain in effect pending notification from the Commission that a significant change in the threat environment occurs, or until the Commission determines that other changes are needed following a more comprehensive re-evaluation of current safeguards and security programs. To date, we have monitored Pilgrim Nuclear Power Station actions in response to the terrorist attacks through a series of audits. With the issuance of the Order, we will evaluate Pilgrim Nuclear Power Station's compliance with these interim requirements.

The enclosed inspection plan details the inspections scheduled through March 31, 2003. 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 schedule for the last six months of the inspection plan is tentative and may be revised at the Mid-Cycle Review meeting.

In accordance with 10 CFR 2.790 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/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

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
Licensee No. DPR-35

Enclosure: Pilgrim Nuclear Power Station Inspection/Activity Plan

cc w/encl: M. Krupa, Director, Nuclear Safety & Licensing
W. Riggs, Director, Nuclear Assessment Group
D. Tarantino, Nuclear Information Manager
B. Ford, Regulatory Affairs Department Manager
J. Fulton, Assistant General Counsel
R. Hallisey, 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
D. O'Connor, Massachusetts Secretary of Energy Resources
J. Miller, Senior Issues Manager
Office of the Commissioner, Massachusetts Department of Environmental
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Pilgrim
Inspection / Activity Plan
12/30/2001 - 03/31/2003

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	711107B - HEAT SINK		1			
1	IP 711107B	Heat Sink Performance		01/14/2002	01/18/2002	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		02/25/2002	03/01/2002	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		02/25/2002	03/01/2002	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation		02/25/2002	03/01/2002	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/06/2002	05/10/2002	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		05/06/2002	05/10/2002	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation		05/06/2002	05/10/2002	Baseline Inspections
	7111401 - EP EXERCISE & EP PI VERIFICATION		5			
1	IP 7111401	Exercise Evaluation		05/20/2002	05/24/2002	Baseline Inspections
1	IP 71151	Performance Indicator Verification		05/20/2002	05/24/2002	Baseline Inspections
	7112201 - PUB RAD SAFETY - RETS		1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/10/2002	06/14/2002	Baseline Inspections
	7/29 EXM - OPERATOR LICENSING INITIAL EXAMS		4			
1	U01457	PILGRIM INITIAL OPERATOR LICENSING EXAM 7/29-8/2/2002		07/01/2002	07/05/2002	Not Applicable
1	U01457	PILGRIM INITIAL OPERATOR LICENSING EXAM 7/29-8/2/2002		07/29/2002	08/02/2002	Not Applicable
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		07/08/2002	07/12/2002	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		07/08/2002	07/12/2002	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation		07/08/2002	07/12/2002	Baseline Inspections
	71130 - SECURITY		1			
1	IP 7113001	Access Authorization Program (Behavior Observation Only)		07/08/2002	07/12/2002	Baseline Inspections
1	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizatio		07/08/2002	07/12/2002	Baseline Inspections
	7111121 - SSDI		6			
1	IP 7111121	Safety System Design and Performance Capability		09/09/2002	09/13/2002	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		09/23/2002	09/27/2002	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/30/2002	10/04/2002	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/30/2002	10/04/2002	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation		09/30/2002	10/04/2002	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/30/2002	10/04/2002	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
12/30/2001 - 03/31/2003

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	71121	- PUBLIC RAD SAFETY	1			
1	IP 7112202	Radioactive Material Processing and Transportation		12/02/2002	12/06/2002	Baseline Inspections
	71121	- OCC RAD SAFETY	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/17/2003	03/21/2003	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/17/2003	03/21/2003	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation		03/17/2003	03/21/2003	Baseline Inspections