March 2, 2007

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 05000293/2007001)

Dear Mr. Bronson:

On February 13, 2007, the NRC staff completed its performance review of 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, 2006. 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.

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 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, 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 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 this 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
Reactor Projects Branch 5
Division of Reactor Projects

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

Enclosure: Pilgrim Inspection / Activity Plan

cc w/ encl:
G. J. Taylor, Chief Executive Officer, Entergy Operations
M. Kansler, President, Entergy Nuclear Operations, Inc.
J. T. Herron, Senior Vice President
M. Balduzzi, Senior Vice President, Northeastern Regional Operations
C. Schwarz, Vice-President, Operations Support
S. J. Bethay, Director, Nuclear Safety Assurance
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Commonwealth of Massachusetts, Secretary of Public Safety
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<th>No. of Staff on Site</th>
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This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.
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/RA/
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