



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PA 19406-2713

March 4, 2015

Mr. John Dent, Site Vice President
Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5508

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR PILGRIM NUCLEAR POWER STATION
(REPORT 05000293/2014001)**

Dear Mr. Dent:

On February 9, 2015, the U. S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Pilgrim Nuclear Power Station (Pilgrim). The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014 through December 31, 2014. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

On December 31, 2014, performance at Pilgrim was within the Degraded Cornerstone Column of the NRC's Reactor Oversight Process (ROP) Action Matrix due to two White PIs related to scrams in the Initiating Events cornerstone. The NRC determined the performance at Pilgrim during the most recent quarter remained in the Degraded Cornerstone Column of the NRC's ROP Action Matrix because two parallel White findings were opened in the Initiating Events cornerstone due to the objectives of Inspection Procedure 95002, "Supplemental Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area," not being met for the two White PIs. The results of the 95002 inspection were issued on January 26, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15026A069).

Since both of the White PIs have returned to Green in the first and third quarters of 2014 respectively, the parallel White findings will become effective during the quarter that the PIs returned to Green. These two White parallel inspection findings will not be removed from consideration in the NRC's assessment program until the identified weaknesses are addressed and corrected. The NRC will plan to resume the supplemental inspection, in accordance with Inspection Procedure 95002, after you have notified the NRC of your readiness. Specifically, this inspection will verify that Entergy has taken action to: (1) address the specific deficiencies in execution of corrective actions; (2) address the deficient cause evaluation; and (3) understand why corrective actions intended to address the identified corrective action program (CAP) implementation weakness were not effective at ensuring the inspection objectives were satisfied. Additionally, the NRC will continue to assess the effectiveness and sustainability of your efforts to address challenges in CAP implementation during the next biennial problem identification and resolution inspection, scheduled for August 2015.

Additionally on January 27, 2015, Pilgrim experienced a scram with complications due to a loss of both 345kV offsite electrical sources during a winter storm. On February 2, the NRC initiated a Special Inspection Team to inspect the performance of your operating crews and safety systems during the event. The results of this inspection have not yet been finalized but will be published in Inspection Report 05000293/2015007.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with Title 10 of the *Code of Federal Regulations*, Part 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records 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).

Please contact Raymond McKinley at (610)337-5150 with any questions you have regarding this letter.

Sincerely,

/RA/

Daniel H. Dorman
Regional Administrator

Docket No. 50-293
License No. DPR-35

Enclosure: Pilgrim Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-15 EOC Review\Branch 5\Pilgrim\ROP-15 PG EOC AAL.docx
ADAMS ACCESSION NUMBER: **ML15057A041**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP	RI/DRP	RI/ORA	
NAME	JDeBoer/JPD	RMcKinley/RRM	HNieh/HKN	DDorman/DHD	
DATE	02/24/15	02/24/15	02/25/15	03/02/15	

Pilgrim
Inspection / Activity Plan
01/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISFSI - INITIAL LOADING INSPECTION		3
1	01/05/2015	01/09/2015	IP 60855	Operation Of An ISFSI	
1	01/05/2015	01/09/2015	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			71124 - 01 EXPOSURE CONTROL 02 ALARA		1
1	03/02/2015	03/05/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/02/2015	03/05/2015	IP 71124.02	Occupational ALARA Planning and Controls	
			EP - EP PROGRAM INSPECTION		1
1	03/16/2015	03/20/2015	IP 7111402	Alert and Notification System Testing	
1	03/16/2015	03/20/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/16/2015	03/20/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			7111108G - INSERVICE INSPECTION		1
1	04/20/2015	04/24/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			71124 - 01 EXPOSURE 02 ALARA 03 AIRBORNE 04 DOSE		1
1	05/04/2015	05/08/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/04/2015	05/08/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/04/2015	05/08/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/04/2015	05/08/2015	IP 71124.04	Occupational Dose Assessment	
			71124.08 - RADWASTE		1
1	06/08/2015	06/12/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124 - RADIOACTIVE EFFLUENT CONTROL RETS		1
1	06/29/2015	07/03/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1	06/29/2015	07/03/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			71124 - REMP		1
1	07/20/2015	07/23/2015	IP 71124.07	Radiological Environmental Monitoring Program	
			PI&R - PI&R - BIENNIAL		1
1	08/03/2015	08/07/2015	IP 71152B	Problem Identification and Resolution	
1	08/17/2015	08/21/2015	IP 71152B	Problem Identification and Resolution	
			7111111B - REQUAL INSP W/ P/F RESULTS		2
1	10/19/2015	10/23/2015	IP 7111111B	Licensed Operator Requalification Program	
			TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION		4
1	11/02/2015	11/06/2015	IP 7111105T	Fire Protection [Triennial]	
1	11/16/2015	11/20/2015	IP 7111105T	Fire Protection [Triennial]	

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

Enclosure

Pilgrim
Inspection / Activity Plan
01/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71151 - RP CHEM PI VERIFY		1
1	11/16/2015	11/19/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/16/2015	11/19/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/16/2015	11/19/2015	IP 71151	Performance Indicator Verification	
			71124 - 01 EXPOSURE CONTROL		1
1	03/21/2016	03/24/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			71124 - 02 ALARA		1
1	03/21/2016	03/25/2016	IP 71124.02	Occupational ALARA Planning and Controls	

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Enclosure