



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

October 13, 2016

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

**SUBJECT: PILGRIM NUCLEAR POWER STATION – NOTIFICATION OF INSPECTION
PROCEDURE 95003 PHASE 'C' INSPECTION**

Dear Mr. Dent:

The purpose of this letter is to notify you that U.S. Nuclear Regulatory Commission (NRC) staff have received your formal declaration of readiness for Phase 'C' of Inspection Procedure (IP) 95003, dated September 2, 2016 (ML16258A004)¹. We have scheduled the on-site portions of this inspection for November 28 – December 9, 2016, and January 9 – 13, 2017. This inspection will consist of 20 inspectors from across all the NRC regional offices, as well as the agency's headquarters office. The information provided in this letter supplements, but does not supersede, the inspection plan information included in the mid-cycle assessment letter, dated August 31, 2016 (ML16239A119). An updated inspection plan is attached.

The objectives of IP 95003 are to: 1) provide the NRC with timely additional information to be used in deciding whether the continued operation of the facility is acceptable and whether additional regulatory actions are necessary to arrest declining licensee/plant performance; 2) provide an independent assessment of the extent of risk-significant issues to aid in the determination of whether an unacceptable margin of safety or security exists; 3) independently assess the adequacy of the programs and processes used by the licensee to identify, evaluate, and correct performance issues; 4) independently evaluate the adequacy of programs and processes in the affected strategic performance areas; 5) provide insight into the overall root and contributing causes of identified performance deficiencies; and 6) evaluate the licensee's third-party safety culture assessment and conduct a graded assessment of the licensee's safety culture based on the results of the evaluation.

In a letter dated December 18, 2015 (ML15352A128), the NRC informed you of its intent to conduct the IP 95003 inspection in three phases ('A' through 'C'). The Phase 'A' and 'B' portions of the inspection are complete (ML16060A018 and ML16144A027). These inspections reviewed aspects of the Pilgrim corrective action program to determine whether continued

¹ The designation in parentheses refers to an Agencywide Documents Access and Management System (ADAMS) accession number. Documents referenced in this letter are publicly available using the accession number in ADAMS.

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operation was acceptable or additional regulatory action was needed to arrest declining performance. Based on the results of these inspections, the NRC concluded that Pilgrim continued to operate safely.

Phase 'C' of the inspection will be focused on the Pilgrim corrective action program and safety culture assessment (reference sections 02.02 and 02.07 through 02.09 of IP 95003). The scope will also include the Reactor Safety Strategic Performance Area, with focus on the key attributes of human performance, procedure quality, and equipment performance (reference sections 02.03c, 02.03d, and 02.03e of IP 95003). Additionally, the NRC will review the root cause, extent-of-cause, and extent-of-condition evaluations associated with the "White" finding related to performance of the 'A' safety relief valve (ML15230A217).

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of the NRC's 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 me at (610) 337-5069 with any questions you have regarding this letter.

Sincerely,

/RA/

Arthur L. Burritt, Chief
Reactor Projects Branch 5
Division of Reactor Projects

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

Enclosure:
Pilgrim Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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ADAMS Accession No. **ML16286A592**

<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	
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DATE	10/11/16	10/12/16	10/12/16		

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Letter to Mr. John Dent from Arthur L. Burritt dated October 13, 2016

SUBJECT: PILGRIM NUCLEAR POWER STATION – NOTIFICATION OF INSPECTION
PROCEDURE 95003 PHASE 'C' INSPECTION

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Pilgrim
Inspection / Activity Plan
07/01/2016 - 06/30/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
95003 - 95003 PHASE C					20
1	11/28/2016	12/09/2016	IP 95003	Inspection For Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inp	
1	11/28/2016	12/09/2016	IP 9500302	Guidance for Conducting an Independent NRC Safety Culture Assessment	
7111107T - TRIENNIAL HEAT SINK					1
1	07/18/2016	07/22/2016	IP 7111107T	Heat Sink Performance	
2/27EXM - PILGRIM INITIAL OL EXAM					4
1	01/30/2017	02/05/2017	U01945	FY17-PILGRIM INITIAL OPERATOR LICENSING EXAM	
1	02/27/2017	03/03/2017	U01945	FY17-PILGRIM INITIAL OPERATOR LICENSING EXAM	
ISFSI - ISFSI LOADING CAMPAIGN INSPECTION					2
1	09/26/2016	09/30/2016	IP 60855	Operation Of An ISFSI	
1	09/26/2016	09/30/2016	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
EP - EP EXERCISE EVALUATION					4
1	11/14/2016	11/18/2016	IP 7111401	Exercise Evaluation	
71124 - 71151 PI VERIFY 71124.01EXPCONT05RAD MON					1
1	11/28/2016	11/30/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/28/2016	11/30/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1	11/28/2016	11/30/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	11/28/2016	11/30/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
95003 - 95003 PHASE C					20
1	01/09/2017	01/13/2017	IP 95003	Inspection For Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inp	
1	01/09/2017	01/13/2017	IP 9500302	Guidance for Conducting an Independent NRC Safety Culture Assessment	
7111108G - INSERVICE INSPECTION					1
1	04/17/2017	04/21/2017	IP 7111108G	Inservice Inspection Activities - BWR	
71124 - 71124.01 RAD HAZARD AND 71124.02 ALARA					1
1	04/24/2017	04/27/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/24/2017	04/27/2017	IP 71124.02	Occupational ALARA Planning and Controls	
71124.08 - RADWASTE					1
1	06/05/2017	06/09/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
71124 - RAD HAZ- ALARA- AIRBORNE-DOSIMETRY					1
1	06/05/2017	06/09/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	06/05/2017	06/09/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	06/05/2017	06/09/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/05/2017	06/09/2017	IP 71124.04	Occupational Dose Assessment	

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

Pilgrim
Inspection / Activity Plan
07/01/2016 - 06/30/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			711111B - PILGRIM REQUAL INSP W/ P/F RESULTS		2
1	09/04/2017	09/08/2017	IP 711111B	Licensed Operator Requalification Program	
			7111121 - CDBI		6
1	07/31/2017	08/04/2017	IP 7111121	Component Design Bases Inspection	
1	08/14/2017	08/18/2017	IP 7111121	Component Design Bases Inspection	
1	08/28/2017	09/01/2017	IP 7111121	Component Design Bases Inspection	
			71124 - 71124.06 RETS		1
1	08/07/2017	08/11/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			71152B - PI&R BIENNIAL		6
1	09/11/2017	09/15/2017	IP 71152B	Problem Identification and Resolution	
1	09/25/2017	09/29/2017	IP 71152B	Problem Identification and Resolution	
			71124 - 71124.07 REMP		1
1	09/18/2017	09/21/2017	IP 71124.07	Radiological Environmental Monitoring Program	
			71124 - 71151 PI VERIFY71124.02ALARA06RETS07REMP		1
1	11/20/2017	11/23/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/20/2017	11/23/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	11/20/2017	11/23/2017	IP 71124.07	Radiological Environmental Monitoring Program	
1	11/20/2017	11/23/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	11/20/2017	11/23/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			EP - EP PROGRAM INSPECTION		1
1	11/27/2017	12/01/2017	IP 7111402	Alert and Notification System Testing	
1	11/27/2017	12/01/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	11/27/2017	12/01/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	11/27/2017	12/01/2017	IP 71151	Performance Indicator Verification	
			71124.01 - 01 EXPOSURE CONTROL		1
1	04/09/2018	04/12/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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