



Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
600 Rocky Hill Road  
Plymouth, MA 02360

August 20, 2015

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

SUBJECT: Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
Docket No. 50-293  
License No. DPR-35

Pilgrim Refueling Outage (RFO)-20  
In-Service Inspection (ISI) Owners Activity Report (OAR-1) Submittal

LETTER NUMBER: 2.15.060

Dear Sir or Madam:

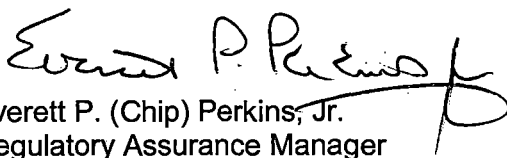
By this letter Entergy submits to the NRC the attached Pilgrim Nuclear Power Station (PNPS) In-Service Inspection (ISI) Owners Activity Report (OAR-1) for Operating Cycle 20.

This report has been prepared in accordance with ASME Section XI 2001 with 2003 addenda and NRC approved Code Case N-532-5, and has been certified by the Authorized Nuclear Inservice Inspector (ANII) attesting that all code-required examinations and repair/replacement activities at PNPS during Cycle 20 were performed in accordance with the requirements of the ASME XI Code.

There are no new commitments made in this letter.

If you have any questions regarding the information contained in this letter, please contact me at (508) 830-8323 or Murray Williams at (508) 830-8275.

Sincerely,

  
Everett P. (Chip) Perkins, Jr.  
Regulatory Assurance Manager

EPP/mw

Attachment: Engineering Report No. PNPS-RPT-15-00003, Rev. 0  
"PNPS Owners Activity Report (OAR-1) for Cycle 20" (3 pages)

A047  
NR



cc: Mr. Richard Guzman, Project Manager  
Office of Nuclear Reactor Regulation  
Mail Stop: O-8C2  
U.S. Nuclear Regulatory Commission  
1 White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Mr. Daniel H. Dorman  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
2100 Renaissance Blvd., Suite 100  
King of Prussia, PA 19406-1415

NRC Senior Resident Inspector  
Pilgrim Nuclear Power Station

**Attachment**

**To PNPS Letter 2.15.060**

**Engineering Report No. PNPS-RPT-15-00003, Rev. 0**

**"PNPS Owners Activity Report (OAR-1) for Cycle 20"**

**(3 pages)**

## ATTACHMENT 9.1

## ENGINEERING REPORT COVER SHEET &amp; INSTRUCTIONS

Engineering Report No. PNPS-RPT-15-00003 Rev 0  
Page 1 of 3ENTERGY NUCLEAR  
Engineering Report Cover Sheet

## Engineering Report Title:

PNPS OWNERS ACTIVITY REPORT (OAR-1) FOR CYCLE 20

## Engineering Report Type:

New ☒ Revision ☐ Cancelled ☐ Superseded ☐  
Superseded by: \_\_\_\_\_

## Applicable Site(s)

IP1 ☐ IP2 ☐ IP3 ☐ JAF ☐ PNPS ☒ VY ☐ WPO ☐  
ANO1 ☐ ANO2 ☐ ECH ☐ GGNS ☐ RBS ☐ WF3 ☐ PLP ☐EC No. N/AReport Origin: ☒ Entergy ☐ Vendor  
Vendor Document No.: N/AQuality-Related: ☒ Yes ☐ NoPrepared by: R. Pardee / R. Pardee Date: 7-29-15  
Responsible Engineer (Print Name/Sign)Reviewed by: K. Bienvenue / K. Bienvenue Date: 7-29-15  
Reviewer (Print Name/Sign)Approved by: Elizabeth York (HSB) / Elizabeth York Date: 08-05-2015  
ANII (Print Name/Sign) /HSB Global StandardsApproved by: K. Kee / K. Kee Date: 7-29-15  
Supervisor / Manager (Print Name/Sign)

## FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number PNPS-RPT-15-00003Plant PILGRIM NUCLEAR POWER STATION, 600 Rocky Hill Road, Plymouth, MA 02360  
(Name and Address of Plant)Plant Unit 1 Commercial Service Date June 8, 1972 Refueling Outage Number 20Current Inspection Interval 4<sup>th</sup>  
(1st, 2nd, 3rd, 4th, Other)Current Inspection Period 3rd  
(1st, 2nd, 3rd)Edition and Addenda of Section XI applicable to the Inspection Plan 1998 Edition, 2000 AddendaDate and Revision of Inspection Plan: PNPS ISI Program Plan, No. SEP-ISI-PNPS-001 Rev.3Edition and Addenda of ASME Section XI applicable to Repairs and Replacements, if different than the Inspection Plan 2001 Edition, 2003 AddendaCode Cases used for inspection and evaluation: N-513-4, N-716, N-702

## CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of RFO20 conform to the requirements of Section XI.

Signed R. Pardee / Sr Engineer

Owner or Owner's designee, Title

Date

7-29-15

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB Global Standards have inspected the components described in this Owners Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all the activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions

NB 9384 CT1137 ANEC  
National Board, State, Province, and Endorsements

Date

August 05, 2015

**TABLE 1**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED**  
**EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category and Item Number</b>	<b>Item Description</b>	<b>Evaluation Description</b>
D-B / D2.10	Salt Service Water pipe spool JF29-8-4 thru-wall leakage	Through-wall leakage of carbon steel service water pipe spool due to localized degradation of internal rubber lining was evaluated and determined operable but degraded/nonconforming with compensatory measures (CR-PNP-2014-0815). The leakage was determined to be a housekeeping concern only as the leak was located downstream of the RBCCW and TBCCW heat exchangers and therefore did not impact the ability of the Salt Service Water system to perform its safety function. The flaw was evaluated using methodology detailed in Code Case N-513-4 and was submitted for NRC approval in relief request PRR-25 (Entergy letter 2.14.023 dated 3/5/14). The condition was corrected in May 2014 during a plant shutdown when the spool was replaced.
E-A / E1.11	IWE General Visual Walkdown areas of degraded primary containment coatings	Primary containment determined to be operable with the degraded conditions accepted for continued service with continued monitoring. Debris loading for ECCS suction strainers was evaluated and determined to be acceptable based on actual weight of debris (flaking paint) compared to design allowable limits (CR-PNP-2015-4375).

**TABLE 2**  
**ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE**

<b>Code Class</b>	<b>Item Description</b>	<b>Description Of Work</b>	<b>Date Completed</b>	<b>Repair/Replacement Plan Number</b>
3	Replacement	Salt Service Water pipe spool JF29-8-4 replaced	5/16/14	375247-06
1	Replacement	Feedwater check valve 6-CK-62A hinge pin covers replaced	5/17/14	365394-02 & 365394-18
1	Replacement	RPV washers at stud locations 23, 24 & 43.	5/19/15	413547-01