



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
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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 & INSTRUCTIONS

Engineering Report No. PNPS-RPT-15-00003 Rev 0
Page 1 of 3



ENTERGY 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New Revision Cancelled Superseded
Superseded by: _____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/A

Report Origin: Entergy Vendor
Vendor Document No.: N/A

Quality-Related: Yes No

Prepared 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 Standards*

Approved by: _____ K. Kee / *K. Kee* Date: 7-29-15
Supervisor / Manager (Print Name/Sign)

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number PNPS-RPT-15-00003

Plant 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 20

Current Inspection Interval 4th
(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 Addenda
Date and Revision of Inspection Plan: PNPS ISI Program Plan, No. SEP-ISI-PNPS-001 Rev.3

Edition and Addenda of ASME Section XI applicable to Repairs and Replacements, if different than
the Inspection Plan 2001 Edition, 2003 Addenda

Code 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 R. Pardee Date 7-29-15
Owner or Owner's designee, Title

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.

[Signature] Commissions NB 9384 CT1137 ANEC
Inspector's Signature National Board, State, Province, and Endorsements

Date August 05, 2015

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

Examination Category and Item Number	Item Description	Evaluation Description
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

Code Class	Item Description	Description Of Work	Date Completed	Repair/Replacement Plan Number
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