

June 26, 2019
L-19-119

10 CFR 50.55a(g)

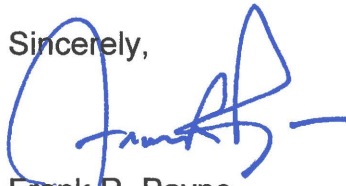
ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT:
Perry Nuclear Power Plant
Docket No. 50-440, License No. NPF-58
Perry Nuclear Power Plant Seventeenth Inservice Inspection Summary Report

In accordance with the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, "Inservice Inspection," 2001 Edition through 2003 Addenda, Article IWA-6000, and ASME Code Case N-532-5, enclosed please find the Owner's Activity Report (Form OAR-1) covering inservice inspection (ISI) activities performed during operating cycle 17 and refueling outage 17 at the Perry Nuclear Power Plant (PNPP). This submittal provides the PNPP inservice inspection summary for the timeframe of April 4, 2017 to April 6, 2019.

There are no regulatory commitments contained in this submittal. If there are any questions or if additional information is required, please contact Mr. Phil H. Lashley, Acting Manager – Nuclear Licensing and Regulatory Affairs, at (330) 315-6808.

Sincerely,



Frank R. Payne
Site VP, PY Nuclear

Enclosure:
Form OAR-1 *Owner's Activity Report*

cc: NRC Region III Administrator
NRC Resident Inspector
NRC Project Manager
Ohio Department of Commerce, Boiler Inspection Section

Enclosure
L-19-119

Form OAR-1 *Owner's Activity Report*

(3 Pages Follow)

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number PY-OAR1-17

Plant Perry Nuclear Power Plant, 10 Center Road, Perry, OH 44081

Unit No. 1 Commercial service date November 18, 1987 Refueling outage no. 1R17
(if applicable)

Current inspection interval Third
(1st, 2nd, 3rd, 4th, other)

Current inspection period Third
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2001 Edition through 2003 Addenda

Date and revision of inspection plans Inservice Examination Plan (ISEP) Revision 18 dated 11/18/16, Revision 19 dated 9/6/17, Revision 20 dated 11/15/18, and Revision 21 dated 1/24/19

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans N/A

Code Cases used for inspection and evaluation: The following are permitted by the ISEP: N-461-1, N-513-3, N-513-4, N-526,
(if applicable, including cases modified by Case N-532 and later revisions)

N-528-1, N-532-5, N-537, N-552, N-561-2, N-562-2, N-566-2, N-578, N-586-1, N-613-1, N-624, N-648-1, N-652-1, N-658,

N-661-2, N-663, N-664, N-665, N-666, N-683, N-685, N-695, N-700, N-705, N-716-1, N-735, N-747

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 1R17
(refueling outage number)
 Conform to the requirements of Section XI.

Signed [Signature] SUPERVISOR, PROGRAMS Date 06/05/19
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 Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT having inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all 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 a loss of any kind arising from or connect with this inspection.

[Signature] Commission NB 15908 NIR
Inspector's Signature (National Board Number and Endorsement)

Date 6/5/19

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	3" ESW B Piping in Vicinity of 1P45F5466B	CR-2017-08106 identified a through wall leak that subsequently required evaluation for continued operation in accordance with ASME Code Case N-513-3.
D-B / D2.10	14" Emergency Service Water "B" Piping between 1P45F0541B and heat exchanger 1P42B0001B. Also between valve 1P45F0541B and second elbow downstream of the valve.	CR-2017-08581 identified a through wall leak that subsequently required evaluation for continued operation in accordance with ASME Code Case N-513-4.
D-B / D2.10	3" Emergency Service Water "B" Piping in the vicinity of 1P45F5466B	CR-2017-08736 identified wall thinning that was evaluated and determined to be above minimum wall thickness limits.
D-B / D2.10	20" Emergency Service Water "A" Piping between valves 1P45F0550A and 1P45F0068A	CR-2018-05504 identified a through wall leak that subsequently required evaluation for continued operation in accordance with ASME Code Case N-513-3.
D-B / D2.10	24" Emergency Service Water "A" Piping downstream of discharge valve 1P45F0130A	CR-2018-10362 identified wall thinning that was evaluated and determined to be above minimum wall thickness limits.
E-A / E1.11	Containment Surface 1T23-022-1	CR-2019-02328 identified a 2 in ² area on the containment vessel interior surface with a damaged coating (checking). The evaluation determined that containment structural integrity or leak tightness are not affected, and the condition is acceptable.
F-A / F1.SP	Variable Spring 1E21-H0089	CR-2019-01634 identified this variable spring support being found outside of its design hot/cold settings. Previously performed engineering analysis bounded this condition and therefore the condition is acceptable.

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	High Pressure Core Spray Starting Air Piping with flange and hardware	Replace piping	07/18/2017	200691740
2	High Pressure Core Spray Piping elbow downstream of orifice 1E22D0001 on HPCS Minimum Flow Line	Weld overlay of 4" elbow	03/01/2018	200737512
3	Control Complex Chilled Water Chiller "B" Hardware	Replace hex screws for reassembly	03/01/2018	200617253
3	Div. 1 Standby Diesel Generator Left Bank Receiver Outlet Isolation Valve 1R44F0562A	Replaced valve disc	03/01/2018	200559512

2	High Pressure Core Spray Piping elbow downstream of orifice 1E22D0001 on HPCS Minimum Flow Line	Replace 4" elbow	06/12/2018	200737508
3	Emergency Service Water "A" Piping between valves 1P45F0550A and 1P45F0068A	Install reinforcing pad over leak in 20" piping	10/09/2018	200757942
3	Fuel Pool Cooling and Cleanup Pump 0G41-C0003B	Replace pump	01/25/2019	200251252
3	Emergency Service Water "B" Piping near valve 1P45F0541B	Patch piping using rolled plate	04/01/2019	200767679
3	Emergency Service Water "B" Piping in the vicinity of 1P45F5466B	Remove 3" bypass piping/components	04/03/2019	200726587
3	Emergency Service Water "B" Piping between 1P45F0541B and heat exchanger 1P42B0001B. Also between valve 1P45F0541B and second elbow downstream of the valve.	Replace 14" piping	04/03/2019	200726587
3	Reactor Water Cleanup Piping between heat exchangers 1G33B0001C and 1G33B0002a	Replace 4" piping	04/11/2019	200724734
2	Residual Heat Removal Valve 1E12F0011B	Replace stud and nut hardware	04/16/2019	200007545
1	Bolting Hardware for Reactor Core Isolation Cooling Head Spray Piping Flanges #1, #3, #7, (1B13-N8-B, 1E51-0009-B, and 1B21-0186-B)	Replace stud and nut hardware	05/01/2019	200694625
3	Emergency Service Water "A" Piping between valves 1P45F0550A and 1P45F0068A	Replace 20" piping	06/05/2019	200757843