



*Perry Nuclear Power Plant
10 Center Road
Perry, Ohio 44081*

Rod L. Penfield
Site Vice President, Perry Nuclear

440-280-5382

June 22, 2023
L-23-051

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 Nineteenth Inservice Inspection Summary Report

In accordance with 10 CFR 50.55a, "Codes and standards," and the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, "Inservice Inspection," 2013 Edition, and ASME Code Case N-892, enclosed please find the inservice inspection summary report for examinations performed prior to and during the nineteenth refueling outage at Perry Nuclear Power Plant (PNPP). This submittal provides the PNPP inservice inspection summary for the timeframe of April 8, 2021, to April 20, 2023.

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, Manager – Fleet Licensing, at (330) 696-7208.

Sincerely,

A handwritten signature in black ink, appearing to read "Rod L. Penfield", written over a large, stylized blue circular mark.

Rod L. Penfield

Perry Nuclear Power Plant
L-23-051
Page 2

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-23-051

Form OAR-1 *Owner's Activity Report*

(2 Pages Follow)

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number PY-OAR1-19

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

Unit No. 1 Commercial service date November 18, 1987 Refueling outage no. 1R19
(if applicable)

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

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

Edition and Addenda of Section XI applicable to the inspection plans 2013 Edition (4th Interval, 1st Period)

Date and revision of inspection plans Inservice Examination Plan (ISEP) Revision 23 dated 2/9/21 and Revision 24 dated 1/12/23

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans IWA-4540(b)
of the 2017 Edition via relief request: NRC SE ML20279A440.

Code Cases used for inspection and evaluation: The following are permitted by the ISEP: N-513-5, N-532-5, N-561-3, N-562-2
(if applicable, including cases modified by Case N-532 and later revisions)

N-597-3, N-613-2, N-648-2, N-661-3, N-666-1, N-695-1, N-716-1, N-735, N-747, N-786-3, N-789-3, N-798, N-800, N-823-1, N-825, N-831-1, N-854, N-858, and N-892.

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 IR19 conform to the requirements of the ASME Code, Section XI. (refueling outage number)

Signed *Paul Zbrujan* ISI Program Owner Date 06/06/2023
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 of Hartford, CT having inspected the items described in this Company 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 the ASME Code, 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 15908 NIR
Inspector's Signature (National Board Number and Endorsement)

Date 06/06/2023

TABLE 1**Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service**

Examination Category and Item Number	Item and Flaw or Relevant Condition Description	Evaluation Description
E-A/E1.11	Containment Liner damage was reported per CR-2023-01554.	The deepest gouge was measured to be 1/16". Containment thickness is 1.5". The deepest gouge equates to 4.17% of containment nominal thickness. This satisfies the IWE-3513 requirement that only indications exceeding 10% nominal thickness of the containment require corrective action, therefore, no additional corrective actions are required. This exam location is required to be examined in the next ISI examination period, which includes 1R20 and 1R21.

TABLE 2**Abstract of Repair/Replacement Activities Required for Continued Service**

Code Class	Item Description	Description of Work	Date Completed (1)	Repair/Replacement Plan Number
2	RWCU Pump 1G33-C0001A	Replace Thermal Neck	7/26/2022	200870198
2	RWCU Pump 1G33-C0001A	Replace Pump	10/28/2022	200856285
2	RWCU Pump 1G33-C0001A	Replace Thermal Neck	10/31/2022	200890244
2	LPCS & RHR A Waterleg Pump 1E21-C0002	Replace Pump	1/19/2023	200878642
2	Reactor Recirc Pump 1B33-C0001A	Replace Mechanical Seal	1/19/2023	200785743
2	RHR B Check Valve 1E12-F0063B	Replace check Valve	3/25/2023	200890728
2	CNTMT Vessel Chilled Water Isolation Valve 1P50-F0060	Replace Valve Assembly, Nuts, and Studs	3/30/2023	200908450
3	SRV 1B21-D0030D	Replace Flex Hose	4/4/2023	200910432
3	SRV 1B21-D0030C	Replace Flex Hose	4/18/2023	200910379
1	Main Reheat 1N22 Drain Pipe Welds	Replace Drain Valves	4/18/2023	200909674
3	FPCC 1G41 Pipe section	Replace 10" Pipe Section	4/25/2023	200909701
2	MSIV 1B21-F0028B	Replace MSIV Nuts	4/25/2023	200909584

Notes:

- (1) "Date Completed" Is the date the final NIS-2A signature was applied. This date may be after the end of the reporting period for work that was physically completed within the reporting period.