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2CAN022201

February 8, 2022

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

SUBJECT: Inservice Inspection Summary Report for the Twenty-Eighth
Refueling Outage (2R28)

REFERENCE Entergy Operations, Inc. letter to the U. S. Nuclear Regulatory Commission,
"Inservice Inspection Summary Report for the Twenty-Seventh Refueling
Outage (2R27)," (2CAN072001) (ML20198M417), dated July 8, 2020

Arkansas Nuclear One, Unit 2
NRC Docket No. 50-368
Renewed Facility Operating License No. NPF-6

Article IWA-6000 of Section XI of the 2007 Edition with the 2008 Addenda of the American Society of Mechanical Engineers (ASME) Code requires an Inservice Inspection Summary Report to be submitted to regulatory and enforcement authorities having jurisdiction at the plant site. The summary report is to contain the completed Form NIS-1, "Owner's Report for Inservice Inspection," and Form NIS-2, "Owner's Report for Repair or Replacement Activity." The 2007 Edition with the 2008 Addenda of the ASME Code is code of record for the fifth 10-year interval at Arkansas Nuclear One, Unit 2 (ANO-2).

ASME Code Case N-532 allows Entergy Operations, Inc. (Entergy), to prepare an Owner's Activity Report Form OAR-1 in place of the code-required NIS-1 and NIS-2 forms. The latest revision of this code case used in this report, N-532-5, is listed in Regulatory Guide (RG) 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," Revision 19, Table 1, "Acceptable Section XI Code Cases". Therefore, prior NRC approval to implement this code case is not required.

This report is to be prepared at the completion of a refueling outage. Examinations, tests, and repair / replacements activities conducted since the preceding summary report and submitted within 90 calendar days of the completion of the refueling outage. In this case, the report is for the examinations, tests, and repair / replacement activities since the previous reference summary report and ending with the twenty-eighth ANO-2 refueling outage (2R28), which was completed on November 29, 2021.

Enclosed is the completed Form OAR-1 for 2R28 for your information. Included with the form are tables listing the "Items of Repair / replacement Activities for Continued Service" in accordance with Code Case N-532-5.

This letter contains no new commitments.

By means of this submittal, the reporting requirements of the ASME Code, Section XI, Article IWA-6000 are fulfilled for 2R28.

If there are any questions or if additional information is needed, please contact Riley Keele, Manager, Regulatory Assurance, Arkansas Nuclear One, at 479-858-7826.

Respectfully,

A handwritten signature in black ink, appearing to read "Riley Keele", with a stylized flourish at the end.

Riley Keele

RDK/rwc

Enclosure: Form OAR-1, "Owner's Activity Report"

cc: NRC Region IV Regional Administrator
 NRC Senior Resident Inspector – Arkansas Nuclear One
 NRC Project Manager – Arkansas Nuclear One

Enclosure to

2CAN022201

Form OAR-1, "Owner's Activity Report"

(2 pages)

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number: OAR-2432

Plant: Arkansas Nuclear One / 1448 S.R. 333, Russellville, AR. 72802

Unit No: 2 Commercial Service Date: March 26, 1980 Refueling Outage No.: 2R28
(if applicable)

Current Inspection Interval: Fifth (5th) Inspection Interval
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period: First (1st) Inspection Period
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plans: 2007 Edition with 2008 Addenda

Date and Revision of Inspection Plans: March 14, 2020 / Revision 9 (SEP ISI ANO2 105)

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the Inspection Plans:
Same

Code Cases used for inspection and evaluation: N-513-4, N-532-5, N-752, N-729-6
(if applicable, including cases modified by Case N-532 and later revisions)

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 2R28 conform to the requirements of Section XI.

(refueling outage number)

The NIS-2A form for R&R plan number 532197-01 could not be signed as documented in CR-ANO-2-2022-00022

The NIS-2A form for R&R plan number 52932138-01 could not be signed as documented in CR-ANO-2-2021-03658

Signed: Joseph DeVault R+R Engineer Date: 1/18/2022
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 The Hartford Steam Boiler Inspection and Insurance Company of Hartford Connecticut have 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 loss of any kind arising from or connected with this inspection.

[Signature] Commissions: 14374 I,N,R,C
Inspector's Signature National Board and Endorsement
Date: 01/18/22

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number: OAR-2432

Plant: Arkansas Nuclear One / 1448 S.R. 333, Russellville, AR. 72802

Unit No: 2 Commercial Service Date: March 26, 1980 Refueling Outage No.: 2R28
(if applicable)

TABLE 1: ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE		
Examination Category and Item Number	Item Description	Evaluation Description
D2.10	Replace cracked socket weld	See corrective actions taken in CR-ANO-2-2021-02232
N-729-6, item number B4.20	Half Nozzle Replacement #46	See corrective actions taken in CR-ANO-2-2021-02062

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	2HBC/3HCC Pipe	REPLACE PIPING	10-26-21	00522880-01
3	2HBC-34-18	REPLACE PIPING	12-13-21	00522882-01
3	2MS-39A	REPLACE FASTNERS	12-07-21	00546187-01
3	2HBC-87	REPLACE VALVE AND PIPING	10-28-21	00543515-01
3	2VE-1A	REPLACE END BELL	05-17-21	00561923-01
3	2HBC-76-8	REPLACE PIPING	01-13-22	00562217-01