



Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802
Tel 479-858-7826

Riley Keele, Jr.
Manager, Regulatory Assurance
Arkansas Nuclear One

2CAN072001

July 8, 2020

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

SUBJECT: Inservice Inspection Summary Report for the Twenty-Seventh
Refueling Outage (2R27)

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 2001 Edition with the 2003 Addenda of the ASME Code is code of record for the fourth 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 and submitted within 90 calendar days of the completion of the refueling outage. In this case, the report is for the twenty-seventh ANO-2 refueling outage (2R27). 2R27 was completed on April 21, 2020.

Enclosed is the completed Form OAR-1 for 2R27 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-523-5. The results that are contained in this submittal are for 2R27.

AD47
NRR

This letter contains no new regulatory commitments.

By means of this submittal, the reporting requirements of the ASME Code, Section XI, Article IWA-6000 are fulfilled for 2R27.

If there are any questions or if additional information is needed, please contact me.

Respectfully,

A handwritten signature in black ink, appearing to read 'Riley D. Keele', written over a horizontal line.

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

2CAN072001

FORM OAR-1, "OWNER'S ACTIVITY REPORT"

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.: 2R27
(if applicable)

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

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

Edition and Addenda of Section XI applicable to the Inspection Plans: 2001 Edition with 2003 Addenda

Date and Revision of Inspection Plans: March 14, 2020 / Revision 6 (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
(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 2R27 conform to the requirements of Section XI.
(refueling outage number)

The NIS-2A form for R&R plan number 00520976-01-01 could not be signed as documented in CR-ANO-2-2020-02585.
The NIS-2A form for R&R plan number 00520975-01-01 could not be signed as documented in CR-ANO-2-2020-02586.
The NIS-2A form for R&R plan number 00525795-02 could not be signed as documented in CR-ANO-2-2020-02477.
The NIS-2A form for R&R plan number 00516093-06 could not be signed as documented in CR-ANO-2-2020-02643.
The NIS-2A form for R&R plan number 00516133-05 could not be signed as documented in CR-ANO-2-2020-02474.
The NIS-2A form for R&R plan number 00516134-05 could not be signed as documented in CR-ANO-2-2020-02473.

Signed: Joe DeVault

Owner or Owner's Designee, Title

Date: 6.17.20

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

[Signature]
Inspector's Signature

Commissions:

14374 I.N.R.

National Board Endorsement

Date: 06/17/20

FORM OAR-1 OWNERS ACTIVITY REPORT

TABLE 1: ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE		
Examination Category and Item Number	Item Description	Evaluation Description
DB/D2.10	Thru Wall Leak on 2HCC-313	See corrective actions taken in CR-ANO-2-2019-00780
C-F-1/C5.30	Repair leak on vent stack piping 2M-115B	See corrective actions taken in CR-ANO-2-2019-01025
F-A/F1.20	Replaced damaged support 2CCB-66	See corrective actions taken in CR-ANO-2-2019-01955
F-A/F1.10	Replace damaged snubber 2CCA-13-H4	See corrective actions taken in CR-ANO-2-2020-00755
F-A/F1.10	Replace damaged snubber 2CCA-15-H60	See corrective actions taken in CR-ANO-2-2020-00720
F-A/F1.10	Replace damaged snubber load pin on 2CCA-21-H17	See corrective actions taken in CR-ANO-2-2020-01347

TABLE 2: ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE				
Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
2	2HBB-4-12	CUT OUT REPLACE DISSIMILAR WELD	4-27-20	00522873-01
3	2VUC-2D	Replace cooling coils	9-12-19	00528032-05
3	2HBC-76/2HCC-313	Replace Piping	5-7-20	00522220-01
3	2HBC-68 PIPE	Replace Piping	5-18-20	00523624-07
3	2HCC-249-1;2HBC-34-2	Replace Piping	5-4-20	00522872-01
3	2HCC-279	Replace Piping	5-4-20	00522884-01
3	2HCC-277	Replace Piping	5-4-20	00522887-01
3	2HCC-293	Replace Piping	5-4-20	00522887-01-01
2	2HBB-2-12"	Replace Dissimilar Metal Weld	6-10-20	00522875-01
2	2HBB-2-12	Perform BMRs on Elbow	6-10-20	00522875-07
2	2FCB-2	Repair Leak on nozzle to pipe at top of SIT tank	4-24-20	00543083-01