



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

Timothy L. Arnold
Manager, Regulatory Assurance
Arkansas Nuclear One

2CAN011903

10 CFR 50.55a

January 23, 2019

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

Subject: Inservice Inspection Summary Report for the
Twenty-Sixth Refueling Outage
Arkansas Nuclear One – Unit 2
Docket No. 50-368
Renewed Facility Operating License No. NPF-6

Dear Sir or Madam:

Article IWA-6000 of Section XI of the 2001 Edition with the 2003 Addenda of the American Society of Mechanical Engineers (ASME) Code requires an inservice inspection summary report be submitted to the regulatory and enforcement authorities having jurisdiction at the plant site. The summary report is required 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." This 2001 Edition with the 2003 Addenda of the ASME Code is the 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., 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 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," Revision 18, 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-sixth refueling outage for ANO-2 (2R26). This outage was completed on November 21, 2018.

Attached is the completed Form OAR-1 for 2R26 for your information. Included with the form are tables listing the "Items with Flaw or Relevant Conditions Required Evaluation for

A047
NRR

Continued Service" and "Abstract of Repair / Replacement Activities Required for Continued Service" in accordance with Code Case N-532-5.

There are no new commitments contained in this submittal.

By means of this submittal, the reporting requirements of the ASME Code, Section XI, Article IWA-6000 are fulfilled for 2R26.

Should you have any questions regarding this submittal, please contact Timothy L. Arnold at (479) 858-7826.

Sincerely,



TLA/rwc

Attachment Form OAR-1, Owner's Activity Report

cc: Mr. Scott A. Morris
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

NRC Senior Resident Inspector
Arkansas Nuclear One
P.O. Box 310
London, AR 72847

U. S. Nuclear Regulatory Commission
Attn: Mr. Thomas Wengert
MS O-08B1A
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Attachment to

2CAN011903

Form OAR-1, Owner's Activity Report

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number: OAR-2431

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

Unit No: 2 Commercial Service Date: March 26, 1980 Refueling Outage No.: 2R26
(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: July 25, 2018/ Revision 5 (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-513-3, 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 2R26 conform to the requirements of Section XI.
(refueling outage number)

Signed: Joe DelVault R+R ENGINEER Date: 12-19-18
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 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
Inspectors Signature National Board and Endorsement
Date: 12/19/18

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number: OAR-2431

Page of

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

Unit No: 2 Commercial Service Date: March 26, 1980 Refueling Outage No.: 2R-26
 (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 |
| DB/D2.10 | Replace Degraded SW Piping 2HBC-69 | See operability evaluation CR-ANO-2-2017-4493 |
| F-A/F1.20 | Support 2DCB-1-H11 | Loose mechanical connection. EC-80120 evaluation acceptable for continued service but restored to original configuration IAW IWF-3122.3(b). |
| F-A/F1.10 | Support 2CCA-27-3-H1 | Wear at mechanical connection. EC-79843 evaluation acceptable for continued service but restored to original configuration IAW IWF-3122.3 (b). |
| | | |

| 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-35 | REPLACE DEFICIENT SW PIPING UPSTREAM OF FW-95 | 11-14-18 | 449639-01 |
| 3 | 2HBC-69 | Replace Degraded SW Piping | 10-30-18 | 476842-01 |
| 2 | 2HCB-164-2 | Replace valve - 2" | 11-13-18 | 463835-01 |
| 1 | CEDM-49 | CEDM-49 Grind only repair | 10-15-18 | 510280 |
| 1 | 2CCA-15-H36 | REPLACE U-BOLT AND COAT HANGER SUPPORT | 10-31-18 | 430530-01 |
| 3 | 2HBC-103-1 | Replace service water piping | 12-12-18 | 488630-01 |
| 3 | 2HBC-105-1 | Replace service water piping | 12-12-18 | 488630-02 |
| 3 | 2HBC-104/105 | Perform VT-1 and VT-3 examinations per CR's ANO-2-2017-04667/04892 (Pre-service examinations not performed during previous refueling outage (2R25) as required by ASME Sec. XI R&R). | 11/12/18 | 483095-02 |
| | | | | |